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# 2019 M1 PAINPOINTS

# DISCLAIMER

**THIS PRESENTATION REFLECTS A SNAPSHOT OF MY  
PERSONAL OPINION**

# MY CHALLENGES

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- ▶ low budget clients
- ▶ high budget goals
- ▶ taking over projects m1 projects
- ▶ project documentation
- ▶ theming vs. Google lighthouse report
- ▶ 3rd party module updates
- ▶ M1 EOL

# LOW BUDGET CLIENTS

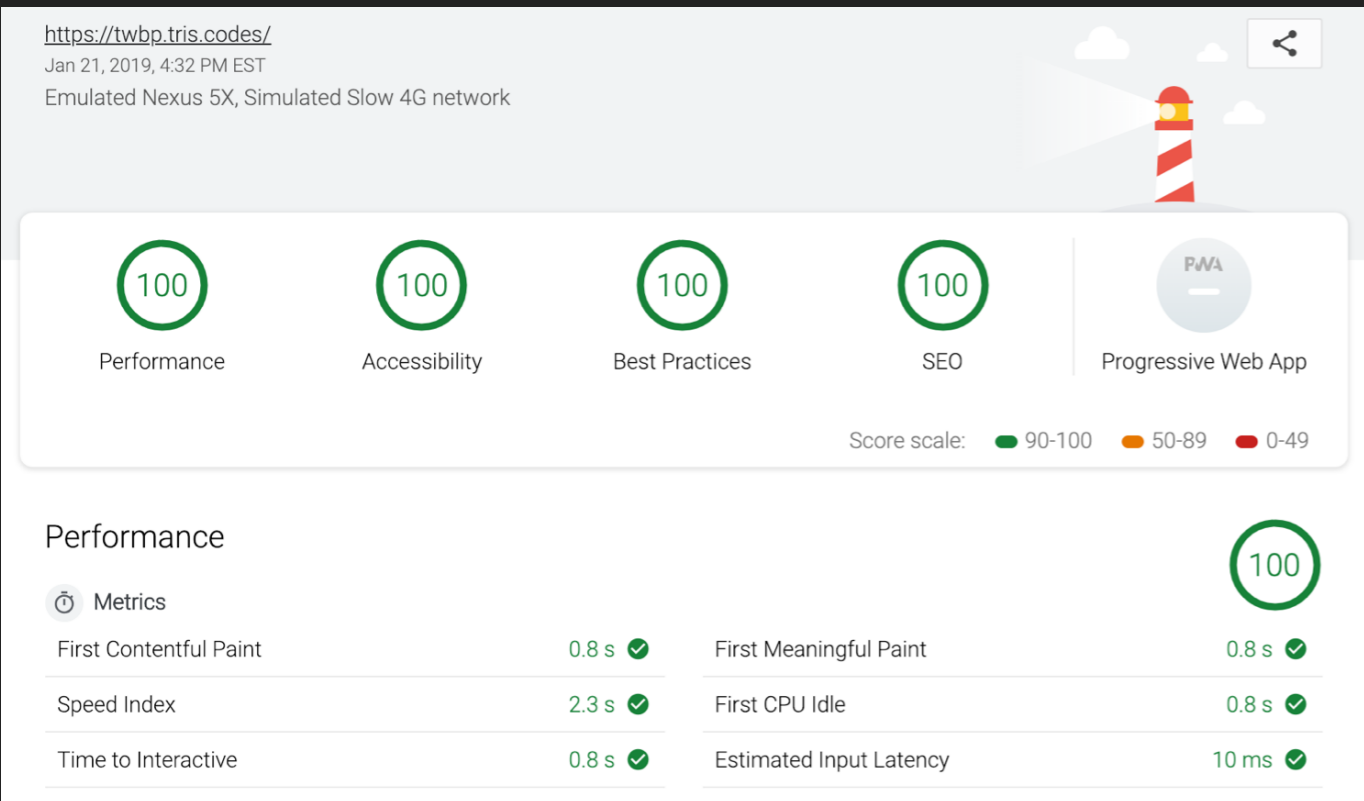
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♥ increase hourly rates

# HIGH BUDGET GOALS

## WEBSITE



<https://github.com/tr1s/tris-webpack-boilerplate>

## CONVERSION



<https://nitesoftsolutions.com/wp-content/uploads/2018/04/Conversion-rate-optimization-2-1.png>

# HIGH BUDGET GOALS

amazon.de  
prime

Alle ▾



Prime Video | Filme & Serien | Jetzt ansehen

Lieferung an Kevin  
66292 Riegelsberg

Alle

Kategorien ▾

Kevin's Amazon

Angebote

Gutscheine

Verkaufen

Hilfe

DE ▾

Hallo, Kevin  
Mein Konto ▾

Mein  
Prime ▾

Meine  
Listen ▾

Einkaufs-  
wagen

## Über 50 Millionen Songs

Nur 7,99€/Monat für Prime-Mitglieder

amazon music



Hallo, Kevin

Kunde seit 2003

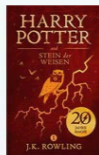
Top-Links für Sie



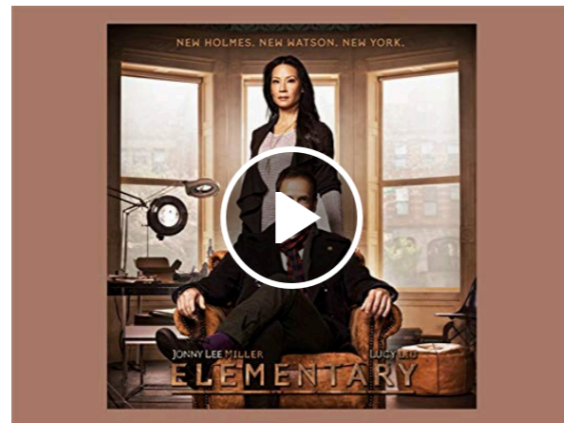
Meine Bestellungen



Elektronik & Foto



Weiter ansehen



Elementary - Staffel 1 [dt./OV]

Zuletzt angesehen



Heute

Musik: Empfehlungen



The Revival Tour 2012 Collections  
Various artists



<https://fastgood.cheap/>

# HIGH BUDGET GOALS

amazon.de  
prime

Alle ▾

Lieferung an Kevin  
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Kategorien ▾

Video | Filme & Serien | [Jetzt ansehen](#)

Mein  
Prime ▾

Meine  
Listen ▾

**Einkaufs-  
wagen**



**Hallo, Kevin**

Kunde seit 2003

Top-Links für Sie



Meine Bestellungen



Elektronik & F



**GOOD**



**CHEAP**



**FAST**

Widely: Empfehlungen

THE REVIVAL TOUR  
2012 Collections



Revival Tour 2012 Collections  
artists

# TAKING OVER PROJECTS

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- ▶ build „somewhen“ by „someone“ without special Magento knowledge
  - ▶ magento is/was not always the right solution
- ▶ no vcs (but 5 year old shop)
- ▶ no modman
- ▶ no composer
- ▶ corehacks
  - ▶ ❤️ <https://github.com/AOEpeople/mpmd>
  - ▶ ❤️ <https://github.com/kalenjordan/magerun-addons>
    - ▶ Version 1.8.x < 1.9.2.x
- ▶ no updates (at all)
- ▶ no documentation



# PROJECT DOCUMENTATION

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- ▶ no specification
- ▶ customer doesn't know what he needs (beside Magento default)
- ▶ 📦 no one knows 3rd party module history
  - ▶ 💣 took over shop w/ ~20 modules, some called %wine%, but shop sells giveaways
  - ▶ 💣 found module which uses database relations, but no relations recognisable => reverse engineering via sql selects/inserts
- ▶ ❤️ magerun sys:info
- ▶ ❤️ magerun hypernode:modules:list-updates

# CALM DOWN

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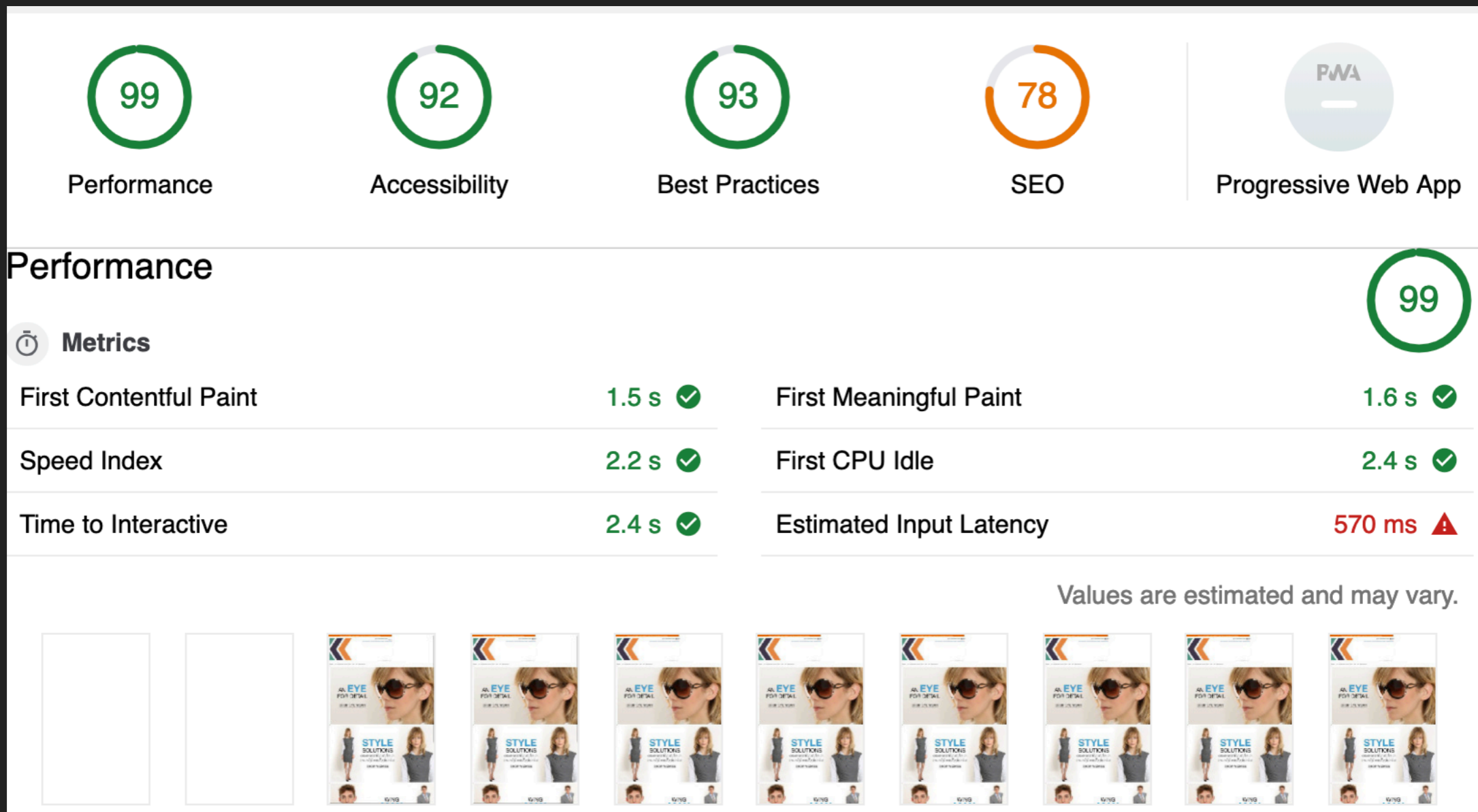


# MAGENTO THEMING

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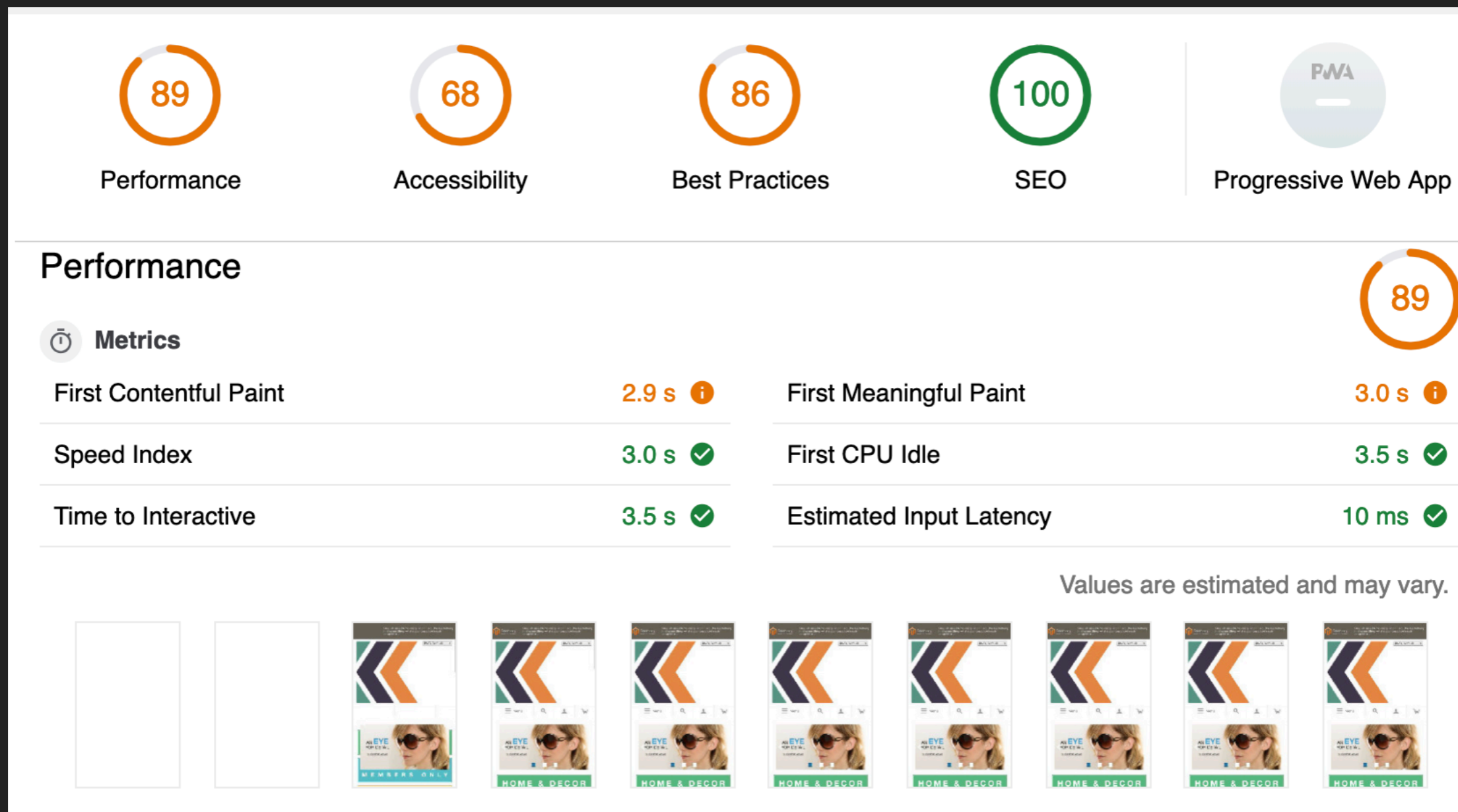
- ▶ ❤️ LESS/SASS approaches
- ▶ few good bootstrap templates
- ▶ design core hacks
  - ▶ ❤️ <https://github.com/kalenjordan/magerun-addons>
- ▶ hard to handle multiple JS Libraries
  - ▶ often: 3rd Party brings it's own version of jQuery and jQuery.noConflict (my max: 4 different jQuery lib + div. jQueryUI + modules)
  - ▶ JS sequencing - no dependencies possible
- ▶ hard to bundle js/css especially for 3rd party modules
- ▶ hard to find/implement good grunt/gulp/npm/webpack tasks/bundles

# DEFAULT/BLANK THEME VS. GOOGLE LIGHTHOUSE REPORT



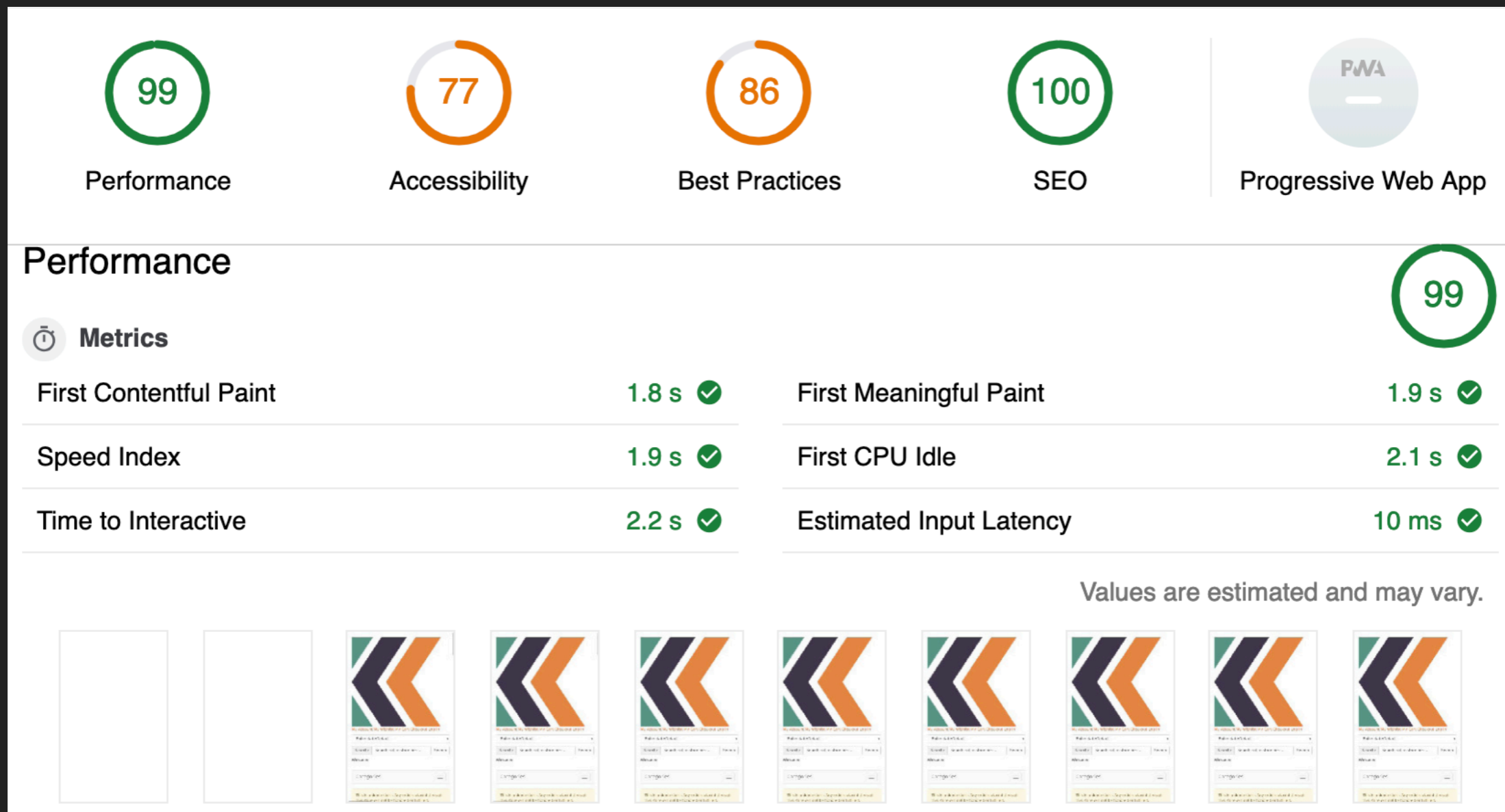
[https://kkrieger.de/lighthouse-reports/mygento.org\\_2019-03-01\\_12-23-01.report.html](https://kkrieger.de/lighthouse-reports/mygento.org_2019-03-01_12-23-01.report.html)

# RWD/DEFAULT THEME VS. GOOGLE LIGHTHOUSE REPORT



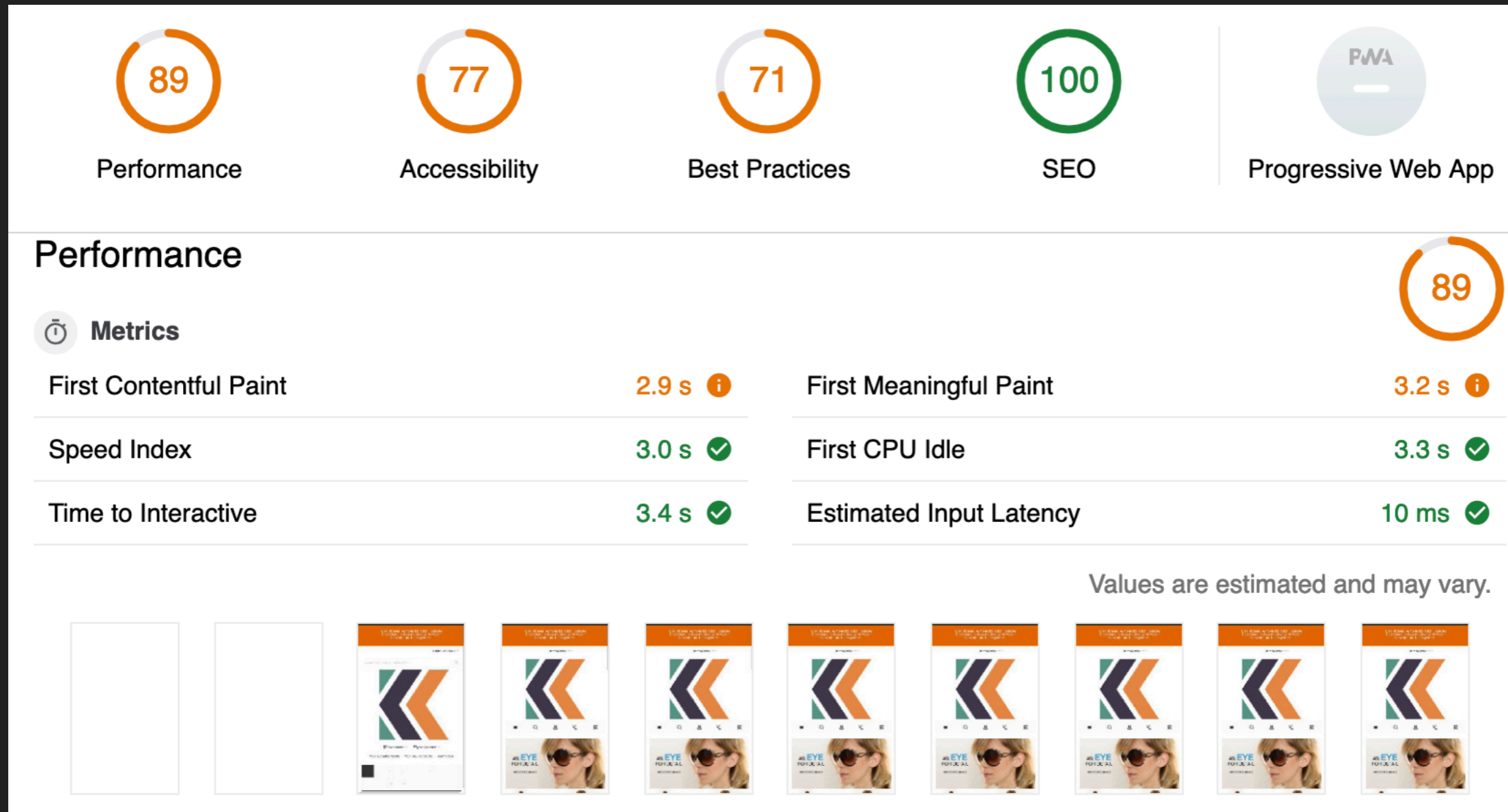
[https://kkrieger.de/lighthouse-reports/mygento.org\\_2019-03-01\\_12-27-06.report.html](https://kkrieger.de/lighthouse-reports/mygento.org_2019-03-01_12-27-06.report.html)

# BOOTSTRAP THEME VS. GOOGLE LIGHTHOUSE REPORT



[https://kkrieger.de/lighthouse-reports/mygento.org\\_2019-03-01\\_12-28-17.report.html](https://kkrieger.de/lighthouse-reports/mygento.org_2019-03-01_12-28-17.report.html)

# ULTIMO THEME VS. GOOGLE LIGHTHOUSE REPORT



[https://kkrieger.de/lighthouse-reports/mygento.org\\_2019-03-01\\_12-30-13.report.html](https://kkrieger.de/lighthouse-reports/mygento.org_2019-03-01_12-30-13.report.html)

# IMAGES

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**JPEG 2000 (2000)** - an improvement to JPEG switching from a discrete cosine based transform to a wavelet-based method. **Browser support: Safari desktop + iOS**

**JPEG XR (2009)** - alternative to JPEG and JPEG 2000 supporting **HDR** and wide **gamut** color spaces. Produces smaller files than JPEG at slightly slower encode/decode speeds. **Browser support: Edge, IE.**

**WebP (2010)** - block-prediction based format by Google with support for lossy and lossless compression. Offers byte savings associated with JPEG and transparency support byte-heavy PNGs are often used for. Lacks chroma subsampling configuration and progressive loading. Decode times are also slower than JPEG decoding. **Browser support: Chrome, Opera. Experimented with by Safari and Firefox.**

<https://images.guide/>



[https://github.com/yireo/Yireo\\_Webp](https://github.com/yireo/Yireo_Webp)



# 3RD PARTY

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- ▶ not updated
  - ▶ historically no information about needed/used modules as well as bought license
  - ▶ no access to current version
  - ▶ customer does not want to pay twice for same module
- ▶ unmaintained
  - ▶ ❤️ <https://github.com/gwillem/magevulndb>
  - ▶ ❤️ `magerun hypernode:modules:list-updates`

# M1 EOL - (06/2020)

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# M1 - AFTER EOL

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<https://mage-one.com/>



OpenMage

<https://openmage.github.io/magento-lts/>

# UNMAINTAINED 3RD PARTY - AFTER M1 EOL

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# M1 VS. M2

- **Technology Stack: Magento 1**

Zend Framework 1  
XML  
PHP  
Prototype JS  
MySQL



- **Technology Stack: Magento 2**

Zend Framework 1  
Zend Framework 2  
XML  
PHP  
Knockout.js  
RequireJS  
PHPUnit  
Prototype JS  
MySQL  
jQuery  
Composer  
Varnish  
LESS  
Redis



## HOW TO HANDLE AS ONE MAN SHOW?