

Converting Colors

CIELCh(40, 19.391, 311.262)

Have a look what the booklet for
CIELCh(40, 19.391, 311.262)
contains.

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Color

CIELCh(40, 19.416, 311.336)

Conversions

Conversions Part 1

Format	Color
Hex	685876
RGB	104, 88, 118
RGB Percent	41%, 35%, 46%
CMY	0.5918, 0.6546, 0.5369
CMYK	0.12, 0.25, 0.00, 0.54
HSL	272°, 15%, 40%
HSV	272°, 25%, 46%
XYZ	12.4902, 11.2510, 18.6796
YIQ	96.2040, -0.0940, 12.7220

Conversions

Conversions Part 2

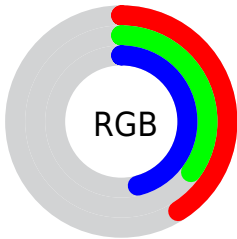
Format	Color
R_{YB}	104, 88, 118
Decimal	6838390
CIE _{Lab}	40.00, 12.82, -14.58
CIE _{LCh}	40, 19.416, 311.336
Yxy	11.2510, 0.2944, 0.2652
Android (android.graphics.Color)	4285028470 (0xFF685876)
YUV	96.2040, 10.7454, 6.8371
Hunter-Lab	33.5425, 7.7689, -9.5384

Details

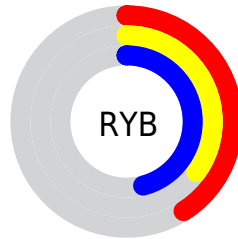
The CIELCh color $[40, 19.416, 311.336]$ is a dark color, and the websafe version is hex $\#666699$. A complement of this color would be $[48, 18.827, 129.132]$, and the grayscale version is $[41, 0.006, 296.813]$.

A 20% lighter version of the original color is $[60, 19.236, 310.985]$, and $[20, 19.976, 310.828]$ is the 20% darker color. If you saturate the color by 10%, you get $[36, 27.333, 311.820]$, and if you desaturate by 10%, it is $[44, 11.632, 310.870]$.

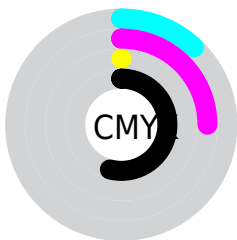
Distribution



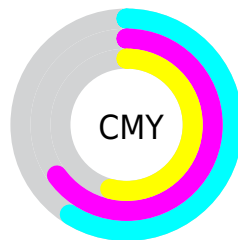
- Red (41%)
- Green (35%)
- Blue (46%)



- Red (41%)
- Yellow (35%)
- Blue (46%)



- Cyan (12%)
- Magenta (25%)
- Yellow (0%)
- Black (54%)





- Cyan (59%)
- Magenta (65%)
- Yellow (54%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 40, 19.416, 311.336 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the CIELCh color 40, 19.416, 311.336 by changing the saturation by 10% instead.


 40, 19.416,
311.336


 40, 19.416,
311.336


 100, 19.416,
311.336


 30, 19.416,
311.336

 60, 19.416,
311.336


 20, 19.416,
311.336

 70, 19.416,
311.336


 10, 19.416,
311.336

 80, 19.416,
311.336

 0, 19.416, 311.336

 90, 19.416,
311.336

 40, 19.416,

 40, 19.416,

311.336

■ 36, 27.333,
311.820

■ 33, 35.303,
312.306

■ 29, 43.180,
312.764

■ 26, 50.735,
313.149

■ 23, 57.629,
313.397

■ 20, 63.419,
313.423

■ 18, 67.827,
313.186

■ 17, 69.870,
313.126

311.336

■ 44, 11.632,
310.870

■ 48, 4.032, 310.423

■ 51, 3.364, 130.074

■ 55, 10.548,
129.697

■ 59, 17.520,
129.372

■ 63, 24.285,
129.085

■ 67, 30.851,
128.831

■ 70, 37.229,
128.609

■ 74, 43.426,
128.414

Harmonies

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



40, 19.416, 311.336



48, 18.827, 129.132

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



40, 19.416, 311.336



40, 19.416, 1.336



40, 19.416, 131.336



40, 19.416, 181.336

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



40, 19.415, 311.336



59, 7.399, 310.548



43, 10.818, 262.607



30, 5.235, 310.603



82, 0.010, 296.813



33, 0.005, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



40, 19.415, 311.336



49, 28.504, 311.593



41, 21.211, 326.680



23, 4.192, 310.584



18, 71.715, 313.083



41, 122.238, 312.472

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



41, 15.135, 347.736



51, 22.166, 348.305



47, 21.198, 143.719



23, 3.277, 346.172



25, 49.129, 3.416



54, 83.143, 6.164

Previews

White Background



This preview shows how the CIELCh color 40, 19.416, 311.336 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIE LCh color 40, 19.416, 311.336 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

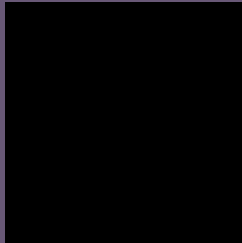
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 40, 19.416, 311.336

Background



This preview shows how black text looks on a background with the CIELCh color 40, 19.416, 311.336.



This preview shows how white text looks on a background with the CIELCh color 40, 19.416, 311.336.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

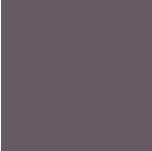
40, 19.416, 311.336

Protanopia

40, 17.757, 285.786

Deuteranopia

40, 15.269, 292.480



Tritanopia
40, 5.704, 331.811

Trichromacy



Original Color
40, 19.416, 311.336

Protanomaly
40, 18.364, 295.237

Deuteranomaly
40, 16.038, 299.367

Tritanomaly
40, 10.225, 317.334

Monochromacy



Original Color
40, 19.416, 311.336

Achromatopsia
41, 0.006, 296.813

Achromatomaly
40, 7.166, 311.058

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 19.416, 311.336 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(104, 88, 118)` looks like.

```
.text, #text, p{  
    color:rgb(104, 88, 118)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(104, 88, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 88, 118) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 19.416, 311.336 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(104, 88, 118) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(104, 88, 118) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(104, 88, 118)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 88, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 88, 118);  
box-shadow:4px 4px 4px 4px rgb(104, 88,  
118) }
```

Background

The CSS property to change the background color of an element to CIELCh 40, 19.416, 311.336 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 88, 118) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(104, 88,  
118) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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