

Converting Colors

CIELCh(40, 2.243, 196.762)

Have a look what the booklet for
CIELCh(40, 2.243, 196.762) contains.

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Color

CIELCh(40, 2.067, 199.291)

Conversions

Conversions Part 1

Format	Color
Hex	5A5F5F
RGB	90, 95, 95
RGB Percent	35%, 37%, 37%
CMY	0.6460, 0.6264, 0.6264
CMYK	0.05, 0.00, 0.00, 0.63
HSL	180°, 3%, 36%
HSV	180°, 5%, 37%
XYZ	10.4365, 11.2510, 12.5122
YIQ	93.5050, -2.9800, -1.0600

Conversions

Conversions Part 2

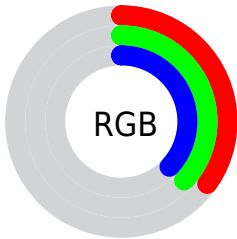
Format	Color
RYB	90, 93, 95
Decimal	5922655
CIELab	40.00, -1.95, -0.68
CIElCh	40, 2.067, 199.291
Yxy	11.2510, 0.3052, 0.3290
Android (android.graphics.Color)	4284112735 (0xFF5A5F5F)
YUV	93.5050, 0.7370, -3.0739
Hunter-Lab	33.5425, -3.1603, 1.3631

Details

The CIELCh color **40, 2.067, 199.291** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **39, 2.132, 19.523**, and the grayscale version is **40, 0.006, 296.813**.

A 20% lighter version of the original color is **60, 1.923, 199.446**, and **20, 2.287, 199.034** is the 20% darker color. If you saturate the color by 10%, you get **39, 5.863, 198.671**, and if you desaturate by 10%, it is **41, 1.906, 19.459**.

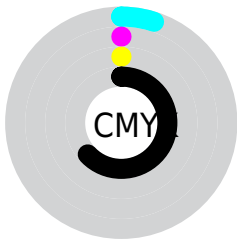
Distribution



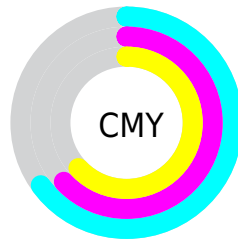
- Red (35%)
- Green (37%)
- Blue (37%)



- Red (35%)
- Yellow (36%)
- Blue (37%)



- Cyan (5%)
- Magenta (0%)
- Yellow (0%)
- Black (63%)



- Cyan (65%)
- Magenta (63%)
- Yellow (63%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 40, 2.067, 199.291 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, 2.067, 199.291 by changing the saturation by 10% instead.

■ 40, 2.067, 199.291

■ 40, 2.067, 199.291

■ 100, 2.067,
199.291

■ 30, 2.067, 199.291

■ 60, 2.067, 199.291

■ 20, 2.067, 199.291

■ 70, 2.067, 199.291

■ 10, 2.067, 199.291

■ 80, 2.067, 199.291

■ 0, 2.067, 199.291

■ 90, 2.067, 199.291

■ 40, 2.067, 199.291

■ 40, 2.067, 199.291

■ 39, 5.863, 198.671

■ 41, 1.906, 19.459

■ 39, 9.428, 198.196

■ 42, 6.010, 20.119

■ 38, 12.708,
197.775

■ 43, 10.205, 20.704

■ 37, 15.647,
197.406

■ 44, 14.457, 21.287

■ 37, 18.195,
197.091

■ 45, 18.737, 21.873

■ 37, 20.311,
196.832

■ 47, 27.298, 23.044

■ 36, 21.972,
196.631

■ 49, 31.550, 23.623

■ 50, 35.769, 24.193

■ 36, 23.172,
196.486

■ 36, 24.004,
196.384

Harmonies

Complementary

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



40, 2.067, 199.291



39, 2.132, 19.523

Rectangle

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



40, 2.067, 199.291



40, 2.067, 249.291



40, 2.067, 19.291



40, 2.067, 69.291

Sweetspot

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



40, 2.068, 199.263



52, 0.990, 199.665



40, 3.703, 143.769



27, 0.567, 199.713



77, 0.009, 296.813



27, 0.004, 296.813

Same Dimension

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



40, 2.068, 199.263



52, 2.946, 199.193



39, 1.812, 254.314



20, 1.564, 199.190



42, 27.362, 196.337



86, 47.833, 196.334

Inverse Universe

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



39, 2.132, 19.523



50, 3.054, 19.602



40, 1.829, 72.891



19, 1.621, 19.605



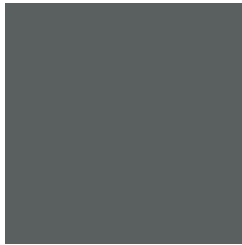
22, 54.824, 37.095



50, 99.776, 39.990

Previews

White Background



This preview shows how the CIELCh color 40, 2.067, 199.291 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, 2.067, 199.291 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

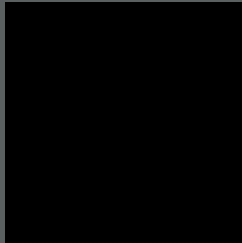
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

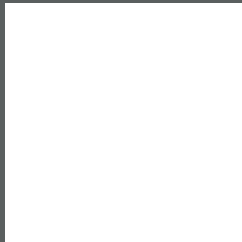
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 40, 2.067, 199.291

Background



This preview shows how black text looks on a background with the CIELCh color 40, 2.067, 199.291.



This preview shows how white text looks on a background with the CIELCh color 40, 2.067, 199.291.

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, 2.067, 199.291

Protanopia

40, 0.841, 19.137

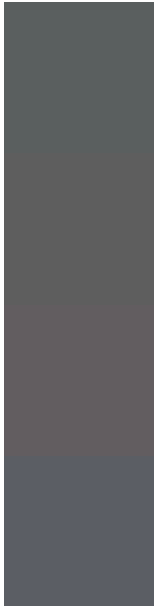
Deuteranopia

40, 5.565, 347.012



Tritanopia
40, 5.004, 276.976

Trichromacy



Original Color

40, 2.067, 199.291

Protanomaly

40, 0.006, 296.813

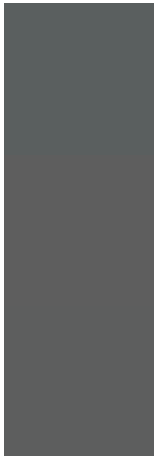
Deuteranomaly

40, 2.797, 338.907

Tritanomaly

40, 3.837, 272.252

Monochromacy



Original Color

40, 2.067, 199.291

Achromatopsia

40, 0.006, 296.813

Achromatomaly

40, 0.417, 200.116

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 2.067, 199.291 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(90, 95, 95)` looks like.

```
.text, #text, p{  
    color:rgb(90, 95, 95)  
}
```

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(90, 95, 95) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 95, 95) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 2.067, 199.291 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(90, 95, 95) }
```

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

```
.border{ border-color:rgb(90, 95, 95) }
```

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

Here you see how a box with a 4 pixel `rgb(90, 95, 95)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(90, 95, 95); -webkit-box-  
shadow:4px 4px 4px 4px rgb(90, 95, 95);  
box-shadow:4px 4px 4px 4px rgb(90, 95, 95)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 40, 2.067, 199.291 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(90, 95, 95) }
```

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

```
.background{ background-color: rgb(90, 95,  
95) }
```

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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