

Converting Colors

CIELCh(39, 0.804, 19.006)

Have a look what the booklet for
CIELCh(39, 0.804, 19.006) contains.

CIELCh(39, 0.846, 19.151)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(39, 0.846, 19.151)

Conversions

Conversions Part 1

Format	Color
Hex	5D5B5B
RGB	93, 91, 91
RGB Percent	36%, 36%, 36%
CMY	0.6338, 0.6416, 0.6416
CMYK	0.00, 0.02, 0.02, 0.63
HSL	0°, 1%, 36%
HSV	0°, 2%, 37%
XYZ	10.2338, 10.6589, 11.5042
YIQ	91.5980, 1.1920, 0.4240

Conversions

Conversions Part 2

Format	Color
RYB	93, 91, 91
Decimal	6118235
CIELab	39.00, 0.80, 0.28
CIELCh	39, 0.846, 19.151
Yxy	10.6589, 0.3159, 0.3290
Android (android.graphics.Color)	4284308315 (0xFF5D5B5B)
YUV	91.5980, -0.2948, 1.2296
Hunter-Lab	32.6480, -1.1817, 1.9616

Details

The CIELCh color $[39, 0.846, 19.151]$ is a dark color, and the websafe version is hex `666666`. A complement of this color would be $[39, 0.834, 199.750]$, and the grayscale version is $[39, 0.006, 296.813]$.

A 20% lighter version of the original color is $[59, 0.782, 18.938]$, and $[19, 0.952, 19.403]$ is the 20% darker color. If you saturate the color by 10%, you get $[36, 4.966, 20.145]$, and if you desaturate by 10%, it is $[42, 2.986, 199.218]$.

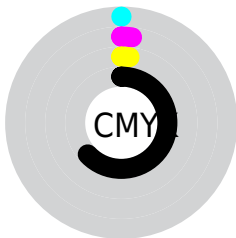
Distribution



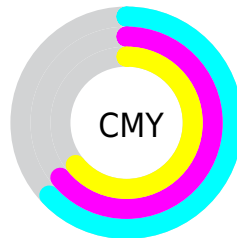
- Red (36%)
- Green (36%)
- Blue (36%)



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



- Cyan (0%)
- Magenta (2%)
- Yellow (2%)
- Black (63%)



- Cyan (63%)
- Magenta (64%)
- Yellow (64%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 39, 0.846, 19.151 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 39, 0.846, 19.151 by changing the saturation by 10% instead.

■ 39, 0.846, 19.151 ■ 39, 0.846, 19.151

100, 0.846, 19.151 ■ 29, 0.846, 19.151

■ 59, 0.846, 19.151 ■ 19, 0.846, 19.151

■ 69, 0.846, 19.151 ■ 9, 0.846, 19.151

■ 79, 0.846, 19.151 ■ 0, 0.846, 19.151

■ 89, 0.846, 19.151

■ 99, 0.846, 19.151

■ 39, 0.846, 19.151 ■ 39, 0.846, 19.151

■ 36, 4.966, 20.145 ■ 42, 2.986, 199.218

■ 33, 9.392, 20.948 ■ 45, 6.551, 198.770

■ 30, 14.124, 21.947

■ 48, 9.875, 198.437

■ 27, 19.141, 23.221

■ 51, 12.985,
198.170

■ 25, 24.387, 24.853

■ 54, 15.906,
197.952

■ 23, 29.768, 26.931

■ 21, 35.146, 29.525

■ 58, 18.659,
197.771

■ 19, 40.251, 32.429

■ 61, 21.264,
197.620

■ 18, 44.040, 33.998

■ 64, 23.740,
197.492

■ 67, 26.101,
197.384

Harmonies

Complementary

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



39, 0.846, 19.151



39, 0.834, 199.750

Rectangle

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



39, 0.846, 19.151



39, 0.846, 69.151



39, 0.846, 199.151



39, 0.846, 249.151

Sweetspot

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



39, 0.845, 19.222



51, 0.491, 18.755



39, 1.497, 324.451



26, 0.277, 18.669



77, 0.009, 296.813



26, 0.004, 296.813

Same Dimension

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



39, 0.845, 19.222



50, 1.483, 19.391



39, 0.734, 74.893



18, 0.876, 19.447



21, 53.748, 36.871



50, 98.976, 40.007

Inverse Universe

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



39, 0.834, 199.750



51, 1.456, 199.584



39, 0.739, 255.946



19, 0.858, 199.531



41, 26.880, 196.515



85, 47.376, 196.523

Previews

White Background



This preview shows how the CIE LCh color 39, 0.846, 19.151 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 39, 0.846, 19.151 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

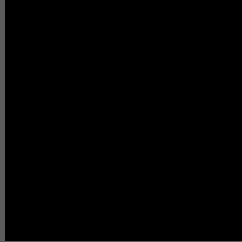
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

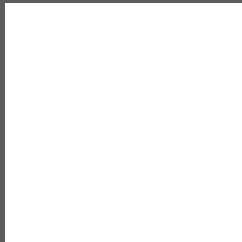
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 39, 0.846, 19.151

Background



This preview shows how black text looks on a background with the CIELCh color 39, 0.846, 19.151.



This preview shows how white text looks on a background with the CIELCh color 39, 0.846, 19.151.

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

39, 0.846, 19.151

Protanopia

39, 0.846, 19.151

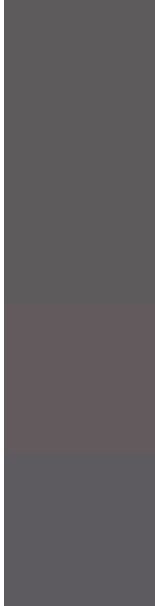
Deuteranopia

39, 5.450, 0.536



Tritanopia
39, 5.200, 309.392

Trichromacy



Original Color

39, 0.846, 19.151

Protanomaly

39, 0.846, 19.151

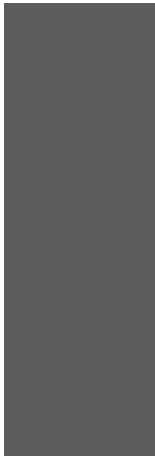
Deuteranomaly

39, 3.623, 0.153

Tritanomaly

39, 3.324, 312.657

Monochromacy



Original Color

39, 0.846, 19.151

Achromatopsia

39, 0.006, 296.813

Achromatomaly

39, 0.422, 18.716

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 39, 0.846, 19.151 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(93, 91, 91)` looks like.

```
.text, #text, p{  
    color:rgb(93, 91, 91)  
}
```

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(93, 91, 91) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(93, 91, 91) }
```

Border

The CSS property to change the border of an element to CIELCh 39, 0.846, 19.151 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(93, 91, 91) }
```

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

```
.border{ border-color:rgb(93, 91, 91) }
```

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

Here you see how a box with a 4 pixel `rgb(93, 91, 91)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(93, 91, 91); -webkit-box-  
shadow:4px 4px 4px 4px rgb(93, 91, 91);  
box-shadow:4px 4px 4px 4px rgb(93, 91, 91)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 39, 0.846, 19.151 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(93, 91, 91) }
```

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

```
.background{ background-color: rgb(93, 91,  
91) }
```

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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