

Converting Colors

CIELCh(11, 65.113, 10.694)

Have a look what the booklet for
CIELCh(11, 65.113, 10.694) contains.

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Color

CIELCh(19, 45.586, 28.148)

Conversions

Conversions Part 1

Format	Color
Hex	630211
RGB	99, 2, 17
RGB Percent	39%, 1%, 7%
CMY	0.6104, 0.9939, 0.9328
CMYK	0.00, 0.98, 0.83, 0.61
HSL	350°, 97%, 20%
HSV	350°, 98%, 39%
XYZ	5.3029, 2.7468, 0.7868
YIQ	32.7130, 52.9970, 25.2290

Conversions

Conversions Part 2

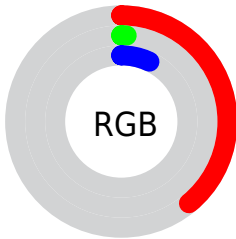
Format	Color
RYB	99, 2, 17
Decimal	6488593
CIELab	19.00, 40.19, 21.51
CIElCh	19, 45.586, 28.148
Yxy	2.7468, 0.6001, 0.3108
Android (android.graphics.Color)	4284678673 (0xFF630211)
YUV	32.7130, -7.7465, 58.1337
Hunter-Lab	16.5735, 28.1098, 8.7869

Details

The CIELCh color **19, 45.586, 28.148** is a dark color, and the websafe version is hex **660000**. A complement of this color would be **37, 29.045, 176.390**, and the grayscale version is **13, 0.003, 296.813**.

A 20% lighter version of the original color is **39, 45.409, 28.265**, and **5, 24.514, 18.727** is the 20% darker color. If you saturate the color by 10%, you get **19, 46.174, 28.540**, and if you desaturate by 10%, it is **20, 41.690, 24.302**.

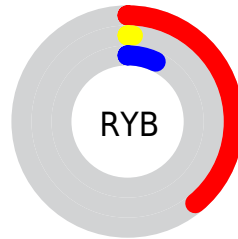
Distribution



Red (39%)

Green (1%)

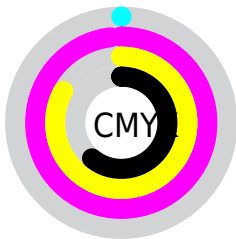
Blue (7%)



Red (39%)

Yellow (1%)

Blue (7%)

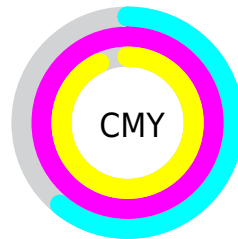


Cyan (0%)

Magenta (98%)

Yellow (83%)

Black (61%)



Cyan (61%)

Magenta (99%)

Yellow (93%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 19, 45.586, 28.148 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 19, 45.586, 28.148 by changing the saturation by 10% instead.

 19, 45.586, 28.148

 19, 45.586, 28.148

 100, 45.586,
28.148

 9, 45.586, 28.148

 39, 45.586, 28.148

 0, 45.586, 28.148

 49, 45.586, 28.148

 59, 45.586, 28.148

 69, 45.586, 28.148

 79, 45.586, 28.148

 89, 45.586, 28.148

 99, 45.586, 28.148

■ 19, 45.586, 28.148

■ 19, 45.586, 28.148

■ 19, 46.174, 28.540

■ 20, 41.690, 24.302

■ 21, 37.573, 20.323

■ 23, 33.004, 17.043

■ 25, 28.108, 14.403

■ 28, 23.047, 12.290

■ 30, 17.976, 10.586

■ 33, 13.010, 9.193

■ 36, 8.227, 8.031

■ 39, 3.665, 7.018

Harmonies

Complementary

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



19, 45.586, 28.148



37, 29.045, 176.390

Rectangle

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



19, 45.586, 28.148



19, 45.586, 78.148



19, 45.586, 208.148



19, 45.586, 258.148

Sweetspot

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



19, 45.584, 28.150



43, 17.225, 9.512



19, 58.156, 322.250



20, 11.924, 9.922



78, 0.009, 296.813



28, 0.004, 296.813

Same Dimension

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



19, 45.584, 28.150



26, 57.002, 30.657



23, 43.234, 49.678



18, 2.389, 7.059



22, 50.842, 29.714



50, 91.936, 33.230

Inverse Universe

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



19, 45.584, 28.150



26, 57.002, 30.657



26, 24.826, 258.146



18, 2.389, 7.059



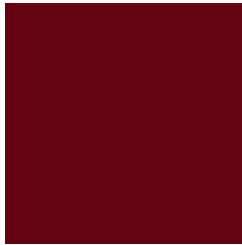
22, 50.842, 29.714



50, 91.936, 33.230

Previews

White Background



This preview shows how the CIE LCh color 19, 45.586, 28.148 looks on a white background.

Color Contrast Check

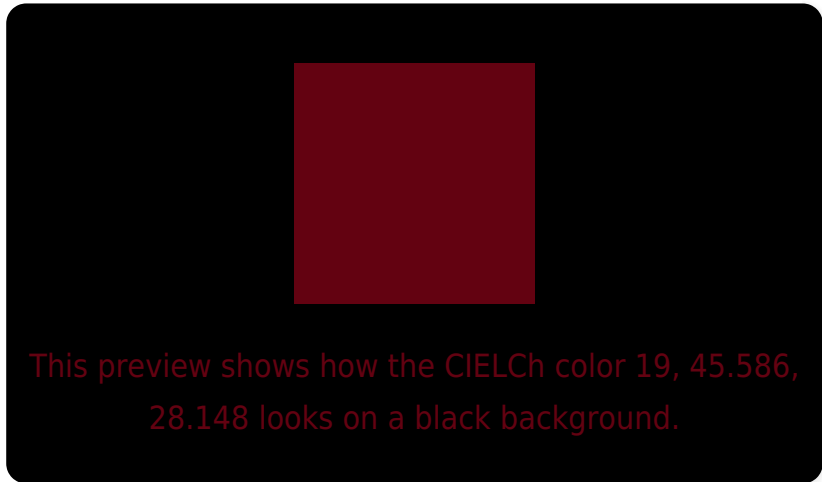
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 19, 45.586, 28.148

Background



This preview shows how black text looks on a background with the CIELCh color 19, 45.586, 28.148.

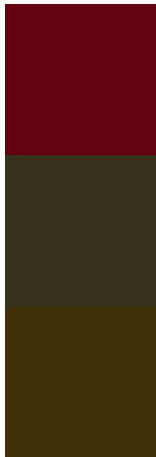


This preview shows how white text looks on a background with the CIELCh color 19, 45.586, 28.148.

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

19, 45.391, 28.293

Protanopia

21, 15.519, 96.643

Deuteranopia

21, 26.594, 85.653



Tritanopia
19, 47.877, 38.159

Trichromacy



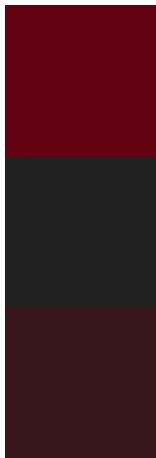
Original Color
19, 45.391, 28.293

Protanomaly
18, 22.961, 39.557

Deuteranomaly
18, 29.873, 48.369

Tritanomaly
19, 47.027, 34.870

Monochromacy



Original Color
19, 45.391, 28.293

Achromatopsia
13, 0.003, 296.813

Achromatomaly
13, 18.604, 15.155

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 19, 45.586, 28.148 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(99, 2, 17)` looks like.

```
.text, #text, p{  
    color:rgb(99, 2, 17)  
}
```

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(99, 2, 17) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 2, 17) }
```

Border

The CSS property to change the border of an element to CIELCh 19, 45.586, 28.148 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(99, 2, 17) }
```

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

```
.border{ border-color:rgb(99, 2, 17) }
```

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

Here you see how a box with a 4 pixel `rgb(99, 2, 17)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 2, 17); -webkit-box-shadow:4px  
4px 4px 4px rgb(99, 2, 17); box-shadow:4px  
4px 4px 4px rgb(99, 2, 17) }
```

Background

The CSS property to change the background color of an element to CIELCh 19, 45.586, 28.148 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 2, 17) }
```

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

```
.background{ background-color: rgb(99, 2,  
17) }
```

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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