

Converting Colors

CIELCh(16, 49.809, 22.846)

Have a look what the booklet for
CIELCh(16, 49.809, 22.846) contains.

CIELCh(18, 45.195, 28.895)	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(18, 45.195, 28.895)

Conversions

Conversions Part 1

Format	Color
Hex	60000E
RGB	96, 0, 14
RGB Percent	38%, 0%, 5%
CMY	0.6236, 1.0000, 0.9451
CMYK	0.00, 1.00, 0.85, 0.62
HSL	351°, 100%, 19%
HSV	351°, 100%, 38%
XYZ	4.9024, 2.5180, 0.6429
YIQ	30.3000, 52.7220, 24.7060

Conversions

Conversions Part 2

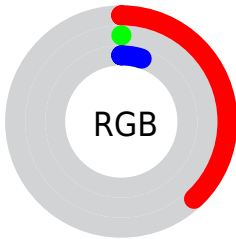
Format	Color
RYB	96, 0, 14
Decimal	6291470
CIELab	18.00, 39.57, 21.84
CIELCh	18, 45.195, 28.895
Yxy	2.5180, 0.6080, 0.3123
Android (android.graphics.Color)	4284481550 (0xFF60000E)
YUV	30.3000, -8.0359, 57.6189
Hunter-Lab	15.8683, 27.3767, 8.7056

Details

The CIELCh color **18, 45.195, 28.895** is a dark color, and the websafe version is hex **660000**. A complement of this color would be **36, 28.102, 177.751**, and the grayscale version is **11, 0.003, 296.813**.

A 20% lighter version of the original color is **38, 45.365, 29.094**, and **5, 21.720, 18.671** is the 20% darker color. If you saturate the color by 10%, you get **18, 45.194, 28.898**, and if you desaturate by 10%, it is **19, 41.424, 25.839**.

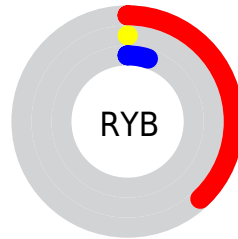
Distribution



Red (38%)

Green (0%)

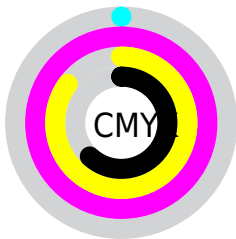
Blue (5%)



Red (38%)

Yellow (0%)

Blue (5%)

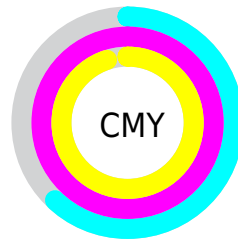


Cyan (0%)

Magenta (100%)

Yellow (85%)

Black (62%)



Cyan (62%)

Magenta (100%)

Yellow (95%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 18, 45.195, 28.895 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 18, 45.195, 28.895 by changing the saturation by 10% instead.

 18, 45.195, 28.895

 18, 45.195, 28.895

 100, 45.195,
28.895

 8, 45.195, 28.895

 38, 45.195, 28.895

 0, 45.195, 28.895

 48, 45.195, 28.895

 58, 45.195, 28.895

 68, 45.195, 28.895

 78, 45.195, 28.895

 88, 45.195, 28.895

 98, 45.195, 28.895

■ 18, 45.195, 28.895

■ 18, 45.195, 28.895

■ 18, 45.194, 28.898

■ 19, 41.424, 25.839

■ 20, 37.383, 21.813

■ 22, 32.911, 18.461

■ 24, 28.125, 15.753

■ 26, 23.178, 13.584

■ 29, 18.218, 11.840

■ 32, 13.361, 10.420

■ 35, 8.682, 9.243

■ 38, 4.224, 8.230

Harmonies

Complementary

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



18, 45.195, 28.895



36, 28.102, 177.751

Rectangle

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



18, 45.195, 28.895



18, 45.195, 78.895



18, 45.195, 208.895



18, 45.195, 258.895

Sweetspot

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



18, 45.193, 28.897



41, 16.635, 10.539



18, 57.144, 322.833



19, 11.517, 10.930



77, 0.009, 296.813



27, 0.004, 296.813

Same Dimension

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



18, 45.193, 28.897



25, 55.749, 31.360



22, 42.205, 50.565



18, 2.381, 8.123



22, 51.241, 30.590



50, 92.771, 34.082

Inverse Universe

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



18, 45.193, 28.897



25, 55.749, 31.360



25, 25.124, 261.251



18, 2.381, 8.123



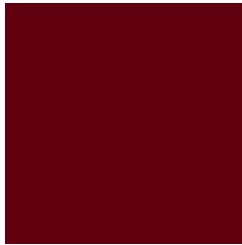
22, 51.241, 30.590



50, 92.771, 34.082

Previews

White Background



This preview shows how the CIELCh color 18, 45.195, 28.895 looks on a white background.

Color Contrast Check

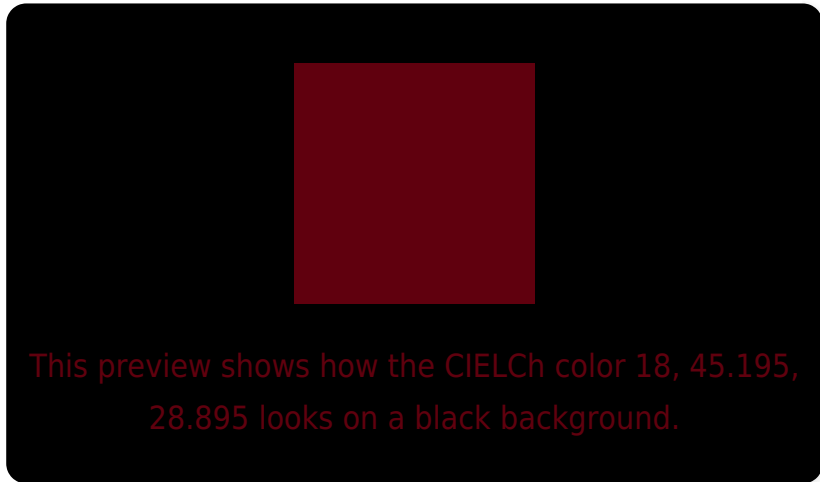
Large Text (above 18pt) WCAG AA ✓ Pass

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

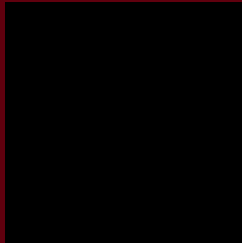
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 18, 45.195, 28.895

Background



This preview shows how black text looks on a background with the CIELCh color 18, 45.195, 28.895.



This preview shows how white text looks on a background with the CIELCh color 18, 45.195, 28.895.

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

18, 45.195, 28.895

Protanopia

20, 17.433, 97.078

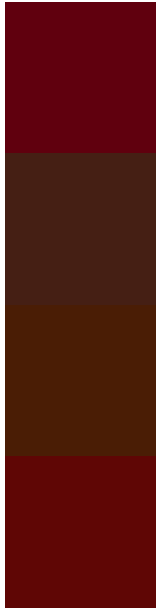
Deuteranopia

20, 28.297, 86.272



Tritanopia
18, 46.057, 37.838

Trichromacy



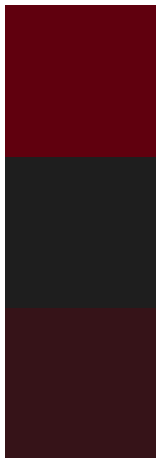
Original Color
18, 45.195, 28.895

Protanomaly
17, 23.287, 42.612

Deuteranomaly
17, 30.842, 49.968

Tritanomaly
18, 45.459, 34.784

Monochromacy



Original Color
18, 45.195, 28.895

Achromatopsia
11, 0.003, 296.813

Achromatomaly
11, 18.809, 15.728

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 18, 45.195, 28.895 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(96, 0, 14)` looks like.

```
.text, #text, p{  
    color:rgb(96, 0, 14)  
}
```

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(96, 0, 14) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(96, 0, 14) }
```

Border

The CSS property to change the border of an element to CIELCh 18, 45.195, 28.895 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(96, 0, 14) }
```

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

```
.border{ border-color:rgb(96, 0, 14) }
```

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

Here you see how a box with a 4 pixel `rgb(96, 0, 14)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(96, 0, 14); -webkit-box-shadow:4px  
4px 4px 4px rgb(96, 0, 14); box-shadow:4px  
4px 4px 4px rgb(96, 0, 14) }
```

Background

The CSS property to change the background color of an element to CIELCh 18, 45.195, 28.895 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(96, 0, 14) }
```

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

```
.background{ background-color: rgb(96, 0,  
14) }
```

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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