

Converting Colors

CIELCh(18, 44.400, 34.075)

Have a look what the booklet for
CIELCh(18, 44.400, 34.075) contains.

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Color

CIELCh(18, 44.448, 34.097)

Conversions

Conversions Part 1

Format	Color
Hex	5E0707
RGB	94, 7, 7
RGB Percent	37%, 3%, 3%
CMY	0.6328, 0.9742, 0.9742
CMYK	0.00, 0.93, 0.93, 0.63
HSL	0°, 87%, 20%
HSV	0°, 93%, 37%
XYZ	4.6874, 2.5180, 0.4277
YIQ	33.0130, 51.8520, 18.4440

Conversions

Conversions Part 2

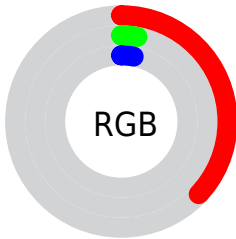
Format	Color
R_{YB}	94, 7, 7
Decimal	6162183
CIE Lab	18.00, 36.81, 24.92
CIE LCh	18, 44.448, 34.097
Yxy	2.5180, 0.6141, 0.3299
Android (android.graphics.Color)	4284352263 (0xFF5E0707)
YUV	33.0130, -12.8244, 53.4856
Hunter-Lab	15.8683, 24.9582, 9.5099

Details

The CIELCh color **18, 44.448, 34.097** is a dark color, and the websafe version is hex **660000**. A complement of this color would be **36, 23.524, 196.454**, and the grayscale version is **13, 0.003, 296.813**.

A 20% lighter version of the original color is **38, 44.847, 34.192**, and **4, 20.959, 18.495** is the 20% darker color. If you saturate the color by 10%, you get **17, 46.872, 34.762**, and if you desaturate by 10%, it is **19, 40.740, 32.606**.

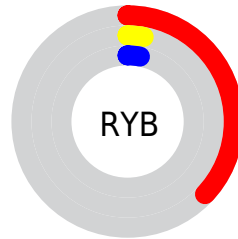
Distribution



Red (37%)

Green (3%)

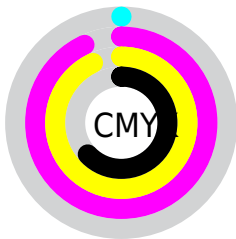
Blue (3%)



Red (37%)

Yellow (3%)

Blue (3%)

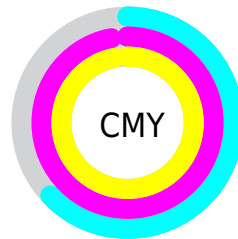


Cyan (0%)

Magenta (93%)

Yellow (93%)

Black (63%)



Cyan (63%)

Magenta (97%)

Yellow (97%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 18, 44.448, 34.097 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, 44.448, 34.097 by changing the saturation by 10% instead.

 18, 44.448, 34.097

 18, 44.448, 34.097

 100, 44.448,
34.097

 8, 44.448, 34.097

 38, 44.448, 34.097

 0, 44.448, 34.097

 48, 44.448, 34.097

 58, 44.448, 34.097

 68, 44.448, 34.097

 78, 44.448, 34.097

 88, 44.448, 34.097

 98, 44.448, 34.097

■ 18, 44.448, 34.097

■ 18, 44.448, 34.097

■ 17, 46.872, 34.762

■ 19, 40.740, 32.606

■ 21, 35.691, 29.735

■ 23, 30.311, 27.087

■ 25, 24.911, 24.959

■ 27, 19.634, 23.287

■ 30, 14.580, 21.981

■ 33, 9.808, 20.958

■ 36, 5.343, 20.138

■ 39, 1.184, 19.303

Harmonies

Complementary

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



18, 44.448, 34.097



36, 23.524, 196.454

Rectangle

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



18, 44.448, 34.097



18, 44.448, 84.097



18, 44.448, 214.097



18, 44.448, 264.097

Sweetspot

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



18, 44.446, 34.100



41, 15.212, 21.532



21, 53.730, 328.120



19, 10.510, 21.847



77, 0.009, 296.813



26, 0.004, 296.813

Same Dimension

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



18, 44.446, 34.100



24, 59.042, 37.988



26, 37.012, 63.691



17, 2.233, 19.829



21, 53.761, 36.849



50, 98.987, 40.000

Inverse Universe

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



36, 23.524, 196.454



46, 29.110, 196.387



21, 30.234, 278.243



18, 2.122, 199.053



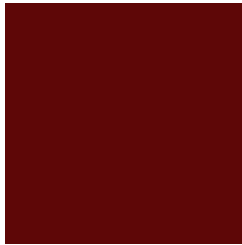
42, 26.913, 196.387



85, 47.437, 196.387

Previews

White Background



This preview shows how the CIE LCh color 18, 44.448, 34.097 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, 44.448, 34.097

Background



This preview shows how black text looks on a background with the CIELCh color 18, 44.448, 34.097.



This preview shows how white text looks on a background with the CIELCh color 18, 44.448, 34.097.

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, 44.448, 34.097

Protanopia

20, 21.568, 97.554

Deuteranopia

19, 27.762, 85.965



Tritanopia
18, 45.287, 37.334

Trichromacy



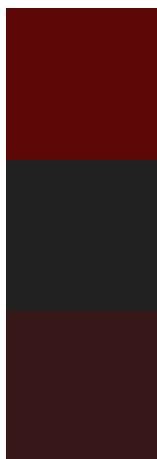
Original Color
18, 44.448, 34.097

Protanomaly
17, 25.270, 54.056

Deuteranomaly
17, 30.416, 54.779

Tritanomaly
18, 45.016, 36.152

Monochromacy



Original Color
18, 44.448, 34.097

Achromatopsia
13, 0.003, 296.813

Achromatomaly
13, 17.575, 25.020

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 18, 44.448, 34.097 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(94, 7, 7)` looks like.

```
.text, #text, p{  
    color:rgb(94, 7, 7)  
}
```

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(94, 7, 7) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(94, 7, 7) }
```

Border

The CSS property to change the border of an element to CIELCh 18, 44.448, 34.097 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(94, 7, 7) }
```

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

```
.border{ border-color:rgb(94, 7, 7) }
```

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

Here you see how a box with a 4 pixel `rgb(94, 7, 7)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(94, 7, 7); -webkit-box-shadow:4px  
4px 4px 4px rgb(94, 7, 7); box-shadow:4px  
4px 4px 4px rgb(94, 7, 7) }
```

Background

The CSS property to change the background color of an element to CIELCh 18, 44.448, 34.097 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(94, 7, 7) }
```

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

```
.background{ background-color: rgb(94, 7,  
7) }
```

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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