

Converting Colors

CIELCh(18, 44.737, 32.821)

Have a look what the booklet for
CIELCh(18, 44.737, 32.821) contains.

CIELCh(18, 44.590, 33.005)	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, 44.590, 33.005)

Conversions

Conversions Part 1

Format	Color
Hex	5E0508
RGB	94, 5, 8
RGB Percent	37%, 2%, 3%
CMY	0.6308, 0.9797, 0.9679
CMYK	0.00, 0.94, 0.91, 0.63
HSL	358°, 90%, 19%
HSV	358°, 94%, 37%
XYZ	4.7326, 2.5180, 0.4716
YIQ	31.9530, 52.0810, 19.8010

Conversions

Conversions Part 2

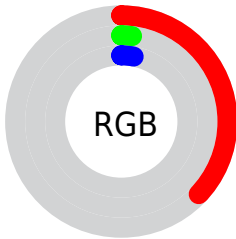
Format	Color
R _Y B	94, 5, 8
Decimal	6161672
CIE Lab	18.00, 37.39, 24.29
CIE LCh	18, 44.590, 33.005
Yxy	2.5180, 0.6129, 0.3261
Android (android.graphics.Color)	4284351752 (0xFF5E0508)
YUV	31.9530, -11.8088, 54.4152
Hunter-Lab	15.8683, 25.4665, 9.3457

Details

The CIELCh color **18, 44.590, 33.005** is a dark color, and the websafe version is hex **660000**. A complement of this color would be **36, 24.297, 191.890**, and the grayscale version is **12, 0.003, 296.813**.

A 20% lighter version of the original color is **38, 44.860, 32.923**, and **4, 20.176, 18.348** is the 20% darker color. If you saturate the color by 10%, you get **17, 46.462, 33.512**, and if you desaturate by 10%, it is **19, 40.905, 31.176**.

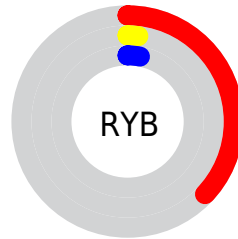
Distribution



Red (37%)

Green (2%)

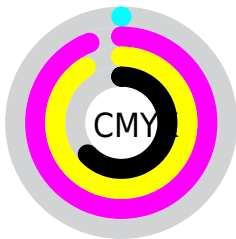
Blue (3%)



Red (37%)

Yellow (2%)

Blue (3%)

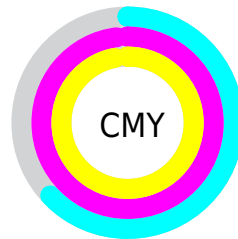


Cyan (0%)

Magenta (94%)

Yellow (91%)

Black (63%)



Cyan (63%)

Magenta (98%)

Yellow (97%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 18, 44.590, 33.005 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, 44.590, 33.005 by changing the saturation by 10% instead.

 18, 44.590, 33.005

 18, 44.590, 33.005

 100, 44.590,
33.005

 8, 44.590, 33.005

 38, 44.590, 33.005

 0, 44.590, 33.005

 48, 44.590, 33.005

 58, 44.590, 33.005

 68, 44.590, 33.005

 78, 44.590, 33.005

 88, 44.590, 33.005

 98, 44.590, 33.005

■ 18, 44.590, 33.005

■ 18, 44.590, 33.005

■ 17, 46.462, 33.512

■ 19, 40.905, 31.176

■ 21, 36.024, 27.954

■ 22, 30.828, 25.122

■ 25, 25.553, 22.840

■ 27, 20.343, 21.033

■ 30, 15.310, 19.608

■ 33, 10.523, 18.476

■ 36, 6.017, 17.558

■ 39, 1.801, 16.712

Harmonies

Complementary

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



18, 44.590, 33.005



36, 24.297, 191.890

Rectangle

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



18, 44.590, 33.005



18, 44.590, 83.005



18, 44.590, 213.005



18, 44.590, 263.005

Sweetspot

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



18, 44.588, 33.007



41, 15.150, 18.941



20, 54.379, 326.356



19, 10.460, 19.276



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, 44.588, 33.007



24, 58.104, 36.657



25, 38.095, 59.093



17, 2.234, 17.093



21, 52.960, 35.522



50, 97.646, 38.999

Inverse Universe

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



18, 44.588, 33.007



24, 58.104, 36.657



22, 28.145, 273.182



17, 2.234, 17.093



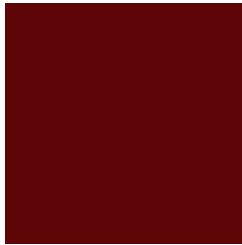
21, 52.960, 35.522



50, 97.646, 38.999

Previews

White Background



This preview shows how the CIELCh color 18, 44.590, 33.005 looks on a white background.

Color Contrast Check

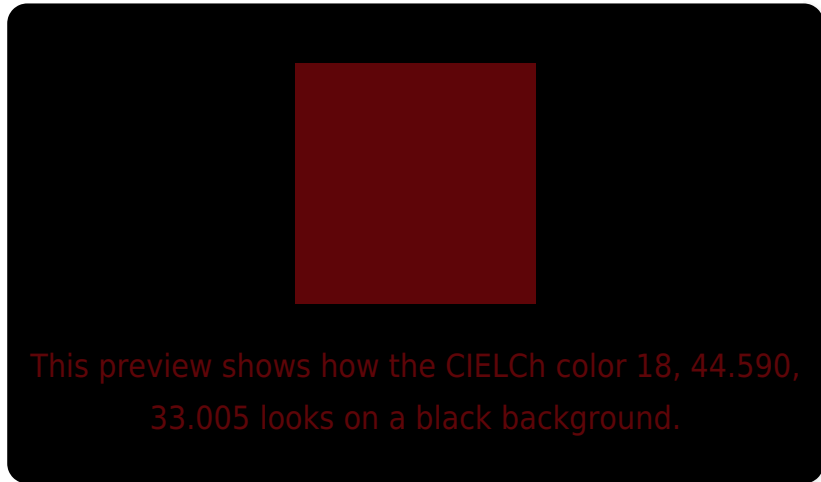
Large Text (above 18pt) WCAG AA ✓ Pass

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

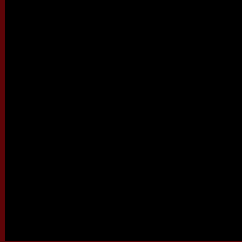
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 18, 44.590, 33.005

Background



This preview shows how black text looks on a background with the CIELCh color 18, 44.590, 33.005.



This preview shows how white text looks on a background with the CIELCh color 18, 44.590, 33.005.

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, 44.590, 33.005

Protanopia

20, 21.031, 97.503

Deuteranopia

19, 27.762, 85.965



Tritanopia
18, 45.746, 37.429

Trichromacy



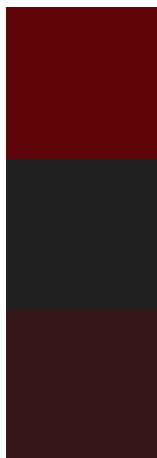
Original Color
18, 44.590, 33.005

Protanomaly
17, 25.076, 51.728

Deuteranomaly
17, 30.122, 54.271

Tritanomaly
18, 45.261, 35.839

Monochromacy



Original Color
18, 44.590, 33.005

Achromatopsia
12, 0.003, 296.813

Achromatomaly
12, 18.019, 23.174

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 18, 44.590, 33.005 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, 5, 8)` looks like.

```
.text, #text, p{  
    color:rgb(94, 5, 8)  
}
```

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, 5, 8) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(94, 5, 8) }
```

Border

The CSS property to change the border of an element to CIELCh 18, 44.590, 33.005 is called "border". The border property can be set on classes, ids or directly on the HTML element.

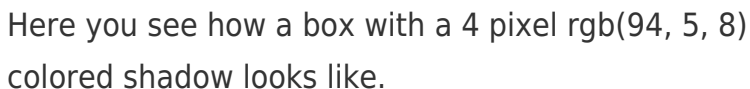
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(94, 5, 8) }
```

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

```
.border{ border-color:rgb(94, 5, 8) }
```

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



Here you see how a box with a 4 pixel `rgb(94, 5, 8)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(94, 5, 8); -webkit-box-shadow:4px  
4px 4px 4px rgb(94, 5, 8); box-shadow:4px  
4px 4px 4px rgb(94, 5, 8) }
```

Background

The CSS property to change the background color of an element to CIELCh 18, 44.590, 33.005 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(94, 5, 8) }
```

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

```
.background{ background-color: rgb(94, 5,  
8) }
```

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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