

Converting Colors

CIELCh(18, 45.251, 30.503)

Have a look what the booklet for
CIELCh(18, 45.251, 30.503) contains.

CIELCh(18, 45.412, 30.264)	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, 45.412, 30.264)

Conversions

Conversions Part 1

Format	Color
Hex	60010C
RGB	96, 1, 12
RGB Percent	38%, 0%, 5%
CMY	0.6244, 0.9970, 0.9538
CMYK	0.00, 0.99, 0.88, 0.62
HSL	353°, 98%, 19%
HSV	353°, 99%, 38%
XYZ	4.8751, 2.5180, 0.5696
YIQ	30.6590, 53.0890, 23.5610

Conversions

Conversions Part 2

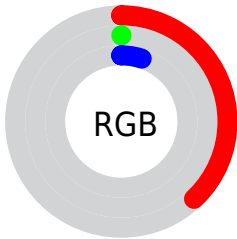
Format	Color
RYB	96, 1, 12
Decimal	6291724
CIELab	18.00, 39.22, 22.89
CIElCh	18, 45.412, 30.264
Yxy	2.5180, 0.6122, 0.3162
Android (android.graphics.Color)	4284481804 (0xFF60010C)
YUV	30.6590, -9.1989, 57.3041
Hunter-Lab	15.8683, 27.0700, 8.9795

Details

The CIELCh color **18, 45.412, 30.264** is a dark color, and the websafe version is hex **660000**. A complement of this color would be **36, 27.049, 181.259**, and the grayscale version is **12, 0.003, 296.813**.

A 20% lighter version of the original color is **38, 45.296, 30.342**, and **5, 21.720, 18.671** is the 20% darker color. If you saturate the color by 10%, you get **18, 45.685, 30.359**, and if you desaturate by 10%, it is **19, 41.701, 27.677**.

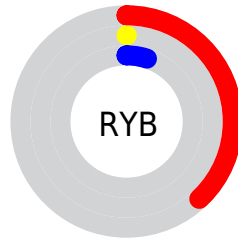
Distribution



Red (38%)

Green (0%)

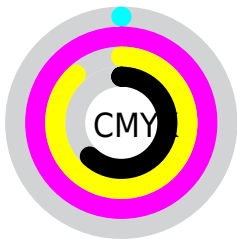
Blue (5%)



Red (38%)

Yellow (0%)

Blue (5%)

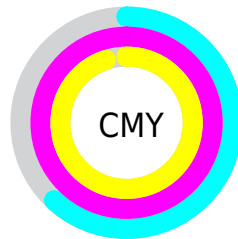


Cyan (0%)

Magenta (99%)

Yellow (88%)

Black (62%)



Cyan (62%)

Magenta (100%)

Yellow (95%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 18, 45.412, 30.264 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, 45.412, 30.264 by changing the saturation by 10% instead.

 18, 45.412, 30.264

 18, 45.412, 30.264

 100, 45.412,
30.264

 8, 45.412, 30.264

 38, 45.412, 30.264

 0, 45.412, 30.264

 48, 45.412, 30.264

 58, 45.412, 30.264

 68, 45.412, 30.264

 78, 45.412, 30.264

 88, 45.412, 30.264

 98, 45.412, 30.264

■ 18, 45.412, 30.264

■ 18, 45.412, 30.264

■ 18, 45.685, 30.359

■ 19, 41.701, 27.677

■ 20, 37.421, 23.765

■ 22, 32.749, 20.484

■ 24, 27.819, 17.829

■ 26, 22.783, 15.707

■ 29, 17.780, 14.006

■ 32, 12.916, 12.630

■ 35, 8.259, 11.495

■ 38, 3.842, 10.521

Harmonies

Complementary

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



18, 45.412, 30.264



36, 27.049, 181.259

Rectangle

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



18, 45.412, 30.264



18, 45.412, 80.264



18, 45.412, 210.264



18, 45.412, 260.264

Sweetspot

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



18, 45.410, 30.266



41, 16.592, 12.848



19, 56.622, 324.000



19, 11.495, 13.233



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, 45.410, 30.266



25, 56.781, 33.206



23, 41.291, 53.079



18, 2.364, 10.492



22, 52.059, 32.273



50, 94.560, 35.782

Inverse Universe

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



18, 45.410, 30.266



25, 56.781, 33.206



24, 26.396, 266.107



18, 2.364, 10.492



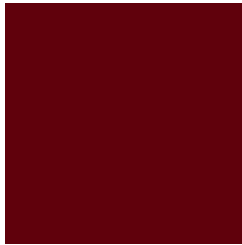
22, 52.059, 32.273



50, 94.560, 35.782

Previews

White Background



This preview shows how the CIELCh color 18, 45.412, 30.264 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, 45.412, 30.264

Background



This preview shows how black text looks on a background with the CIELCh color 18, 45.412, 30.264.



This preview shows how white text looks on a background with the CIELCh color 18, 45.412, 30.264.

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, 45.412, 30.264

Protanopia

20, 18.794, 95.568

Deuteranopia

20, 28.297, 86.272



Tritanopia
18, 46.057, 37.838

Trichromacy



Original Color
18, 45.412, 30.264

Protanomaly
17, 24.388, 46.100

Deuteranomaly
17, 30.963, 51.686

Tritanomaly
18, 45.663, 35.212

Monochromacy



Original Color
18, 45.412, 30.264

Achromatopsia
11, 0.003, 296.813

Achromatomaly
11, 18.899, 17.891

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 18, 45.412, 30.264 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, 1, 12)` looks like.

```
.text, #text, p{  
    color:rgb(96, 1, 12)  
}
```

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, 1, 12) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(96, 1, 12) }
```

Border

The CSS property to change the border of an element to CIELCh 18, 45.412, 30.264 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, 1, 12) }
```

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

```
.border{ border-color:rgb(96, 1, 12) }
```

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

Here you see how a box with a 4 pixel `rgb(96, 1, 12)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(96, 1, 12); -webkit-box-shadow:4px  
4px 4px 4px rgb(96, 1, 12); box-shadow:4px  
4px 4px 4px rgb(96, 1, 12) }
```

Background

The CSS property to change the background color of an element to CIELCh 18, 45.412, 30.264 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(96, 1, 12) }
```

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

```
.background{ background-color: rgb(96, 1,  
12) }
```

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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