

Converting Colors

CIELCh(18, 37.435, 46.412)

Have a look what the booklet for
CIELCh(18, 37.435, 46.412) contains.

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Color

CIELCh(18, 37.435, 46.412)

Conversions

Conversions Part 1

Format	Color
Hex	531900
RGB	83, 25, 0
RGB Percent	33%, 10%, 0%
CMY	0.6752, 0.9026, 1.0000
CMYK	0.00, 0.70, 1.00, 0.68
HSL	18°, 100%, 16%
HSV	18°, 100%, 32%
XYZ	3.8936, 2.5180, 0.2740
YIQ	39.4920, 42.5930, 4.5210

Conversions

Conversions Part 2

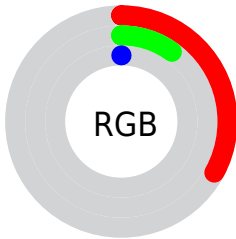
Format	Color
R_{YB}	83, 36, 0
Decimal	5445888
CIE Lab	18.00, 25.81, 27.11
CIE LCh	18, 37.435, 46.412
Yxy	2.5180, 0.5824, 0.3766
Android (android.graphics.Color)	4283635968 (0xFF531900)
YUV	39.4920, -19.4696, 38.1565
Hunter-Lab	15.8683, 16.0289, 10.0839

Details

The CIELCh color **18, 37.435, 46.412** is a dark color, and the websafe version is hex **660000**. A complement of this color would be **22, 20.865, 251.489**, and the grayscale version is **16, 0.003, 296.813**.

A 20% lighter version of the original color is **38, 37.685, 45.796**, and **3, 12.529, 17.560** is the 20% darker color. If you saturate the color by 10%, you get **18, 37.373, 46.306**, and if you desaturate by 10%, it is **19, 34.080, 47.508**.

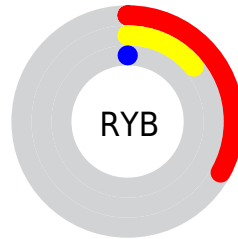
Distribution



Red (33%)

Green (10%)

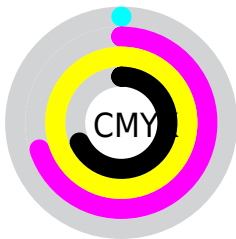
Blue (0%)



Red (33%)

Yellow (14%)

Blue (0%)

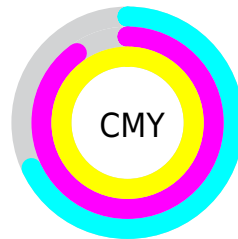


Cyan (0%)

Magenta (70%)

Yellow (100%)

Black (68%)



Cyan (68%)

Magenta (90%)

Yellow (100%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 18, 37.435, 46.412 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, 37.435, 46.412 by changing the saturation by 10% instead.

 18, 37.435, 46.412

 18, 37.435, 46.412

 100, 37.435,
46.412

 8, 37.435, 46.412

 38, 37.435, 46.412

 0, 37.435, 46.412

 48, 37.435, 46.412

 58, 37.435, 46.412

 68, 37.435, 46.412

 78, 37.435, 46.412

 88, 37.435, 46.412

 98, 37.435, 46.412

■ 18, 37.435, 46.412

■ 18, 37.435, 46.412

■ 18, 37.373, 46.306

■ 19, 34.080, 47.508

■ 21, 30.356, 48.728

■ 22, 25.857, 48.829

■ 24, 21.462, 48.949

■ 26, 17.279, 49.164

■ 27, 13.341, 49.479

■ 29, 9.655, 49.884

■ 31, 6.214, 50.358

■ 33, 3.001, 50.862

Harmonies

Complementary

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



18, 37.435, 46.412



22, 20.865, 251.489

Rectangle

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



18, 37.435, 46.412



18, 37.435, 96.412



18, 37.435, 226.412



18, 37.435, 276.412

Sweetspot

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



18, 37.373, 46.306



38, 11.984, 49.839



16, 41.838, 342.085



18, 8.148, 49.739



74, 0.009, 296.813



22, 0.004, 296.813

Same Dimension

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



18, 37.373, 46.306



24, 47.633, 47.701



28, 37.585, 87.920



15, 1.649, 50.923



24, 46.605, 47.612



53, 88.523, 46.940

Inverse Universe

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



22, 20.865, 251.489



30, 25.289, 253.319



9, 46.829, 299.341



16, 1.582, 232.231



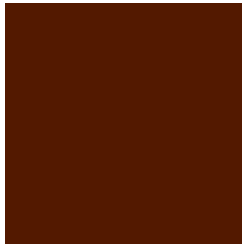
29, 24.833, 253.163



63, 45.906, 256.904

Previews

White Background



This preview shows how the CIELCh color 18, 37.435, 46.412 looks on a white background.

Color Contrast Check

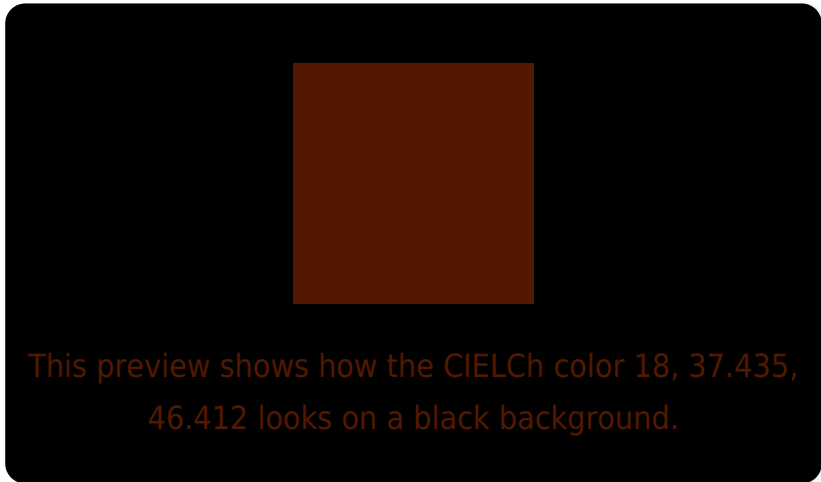
Large Text (above 18pt) WCAG AA ✓ Pass

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, 37.435, 46.412

Background



This preview shows how black text looks on a background with the CIELCh color 18, 37.435, 46.412.



This preview shows how white text looks on a background with the CIELCh color 18, 37.435, 46.412.

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, 37.435, 46.412

Protanopia

19, 23.259, 96.224

Deuteranopia

19, 27.001, 86.787



Tritanopia
18, 31.655, 28.080

Trichromacy



Original Color
18, 37.435, 46.412

Protanomaly
18, 24.941, 69.739

Deuteranomaly
18, 28.554, 67.174

Tritanomaly
18, 33.927, 37.519

Monochromacy



Original Color
18, 37.435, 46.412

Achromatopsia
16, 0.003, 296.813

Achromatomaly
16, 13.434, 49.155

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 18, 37.435, 46.412 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(83, 25, 0)` looks like.

```
.text, #text, p{  
    color:rgb(83, 25, 0)  
}
```

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(83, 25, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 25, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 18, 37.435, 46.412 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(83, 25, 0) }
```

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

```
.border{ border-color:rgb(83, 25, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(83, 25, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 25, 0); -webkit-box-shadow:4px  
4px 4px 4px rgb(83, 25, 0); box-shadow:4px  
4px 4px 4px rgb(83, 25, 0) }
```

Background

The CSS property to change the background color of an element to CIELCh 18, 37.435, 46.412 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 25, 0) }
```

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

```
.background{ background-color: rgb(83, 25,  
0) }
```

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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