

Converting Colors

CIELCh(18, 38.117, 16.802)

Have a look what the booklet for
CIELCh(18, 38.117, 16.802) contains.

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Color

CIELCh(18, 37.984, 16.797)

Conversions

Conversions Part 1

Format	Color
Hex	5B091E
RGB	91, 9, 30
RGB Percent	36%, 4%, 12%
CMY	0.6429, 0.9644, 0.8822
CMYK	0.00, 0.90, 0.67, 0.64
HSL	345°, 82%, 20%
HSV	345°, 90%, 36%
XYZ	4.6535, 2.5180, 1.4720
YIQ	35.9120, 42.1310, 23.9150

Conversions

Conversions Part 2

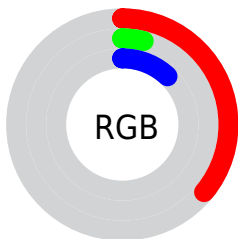
Format	Color
R_{YB}	91, 9, 30
Decimal	5966110
CIE _{Lab}	18.00, 36.36, 10.98
CIE _{LCh}	18, 37.984, 16.797
Yxy	2.5180, 0.5384, 0.2913
Android (android.graphics.Color)	4284156190 (0xFF5B091E)
YUV	35.9120, -2.9146, 48.3122
Hunter-Lab	15.8683, 24.5765, 5.6081

Details

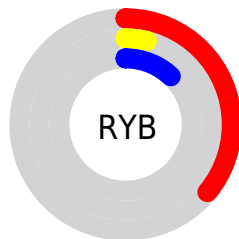
The CIELCh color **18, 37.984, 16.797** is a dark color, and the websafe version is hex **660033**. A complement of this color would be **34, 29.003, 168.690**, and the grayscale version is **14, 0.003, 296.813**.

A 20% lighter version of the original color is **38, 38.153, 16.917**, and **4, 20.176, 18.348** is the 20% darker color. If you saturate the color by 10%, you get **17, 41.217, 20.560**, and if you desaturate by 10%, it is **19, 34.800, 12.924**.

Distribution



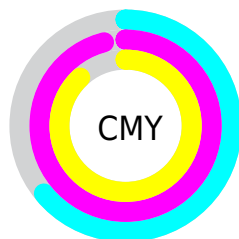
- Red (36%)
- Green (4%)
- Blue (12%)



- Red (36%)
- Yellow (4%)
- Blue (12%)



- Cyan (0%)
- Magenta (90%)
- Yellow (67%)
- Black (64%)



- Cyan (64%)
- Magenta (96%)
- Yellow (88%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 18, 37.984, 16.797 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, 37.984, 16.797 by changing the saturation by 10% instead.

 18, 37.984, 16.797

 18, 37.984, 16.797

 100, 37.984,
16.797

 8, 37.984, 16.797

 38, 37.984, 16.797

 0, 37.984, 16.797

 48, 37.984, 16.797

 58, 37.984, 16.797

 68, 37.984, 16.797

 78, 37.984, 16.797

 88, 37.984, 16.797

 98, 37.984, 16.797

■ 18, 37.984, 16.797

■ 18, 37.984, 16.797

■ 17, 41.217, 20.560

■ 19, 34.800, 12.924

■ 21, 31.052, 9.775

■ 23, 26.849, 7.245

■ 25, 22.356, 5.203

■ 28, 17.736, 3.533

■ 30, 13.118, 2.142

■ 33, 8.592, 0.960

■ 36, 4.214, 359.920

■ 39, 0.014, 338.677

Harmonies

Complementary

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



18, 37.984, 16.797



34, 29.003, 168.690

Rectangle

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



18, 37.984, 16.797



18, 37.984, 66.797



18, 37.984, 196.797



18, 37.984, 246.797

Sweetspot

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



18, 37.982, 16.799



40, 14.479, 1.867



17, 52.431, 319.155



18, 9.690, 2.113



76, 0.009, 296.813



25, 0.004, 296.813

Same Dimension

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



18, 37.982, 16.799



23, 49.783, 22.478



20, 38.438, 43.612



17, 2.365, 359.800



21, 47.321, 22.008



50, 85.567, 25.979

Inverse Universe

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



18, 37.982, 16.799



23, 49.783, 22.478



28, 19.951, 236.332



17, 2.365, 359.800



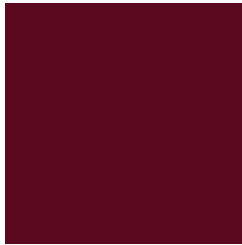
21, 47.321, 22.008



50, 85.567, 25.979

Previews

White Background



This preview shows how the CIELCh color 18, 37.984, 16.797 looks on a white background.

Color Contrast Check

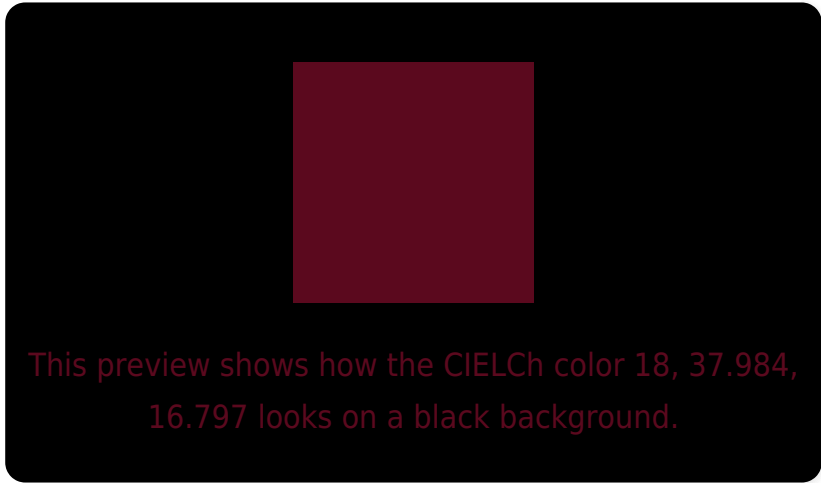
Large Text (above 18pt) WCAG AA ✓ Pass

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, 37.984, 16.797

Background



This preview shows how black text looks on a background with the CIELCh color 18, 37.984, 16.797.



This preview shows how white text looks on a background with the CIELCh color 18, 37.984, 16.797.

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, 37.984, 16.797

Protanopia

20, 2.252, 84.304

Deuteranopia

19, 14.532, 80.358



Tritanopia
18, 40.638, 33.290

Trichromacy



Original Color
18, 37.984, 16.797

Protanomaly
17, 15.954, 9.129

Deuteranomaly
17, 20.628, 33.755

Tritanomaly
18, 39.606, 28.323

Monochromacy



Original Color
18, 37.984, 16.797

Achromatopsia
14, 0.003, 296.813

Achromatomaly
14, 15.997, 4.280

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 18, 37.984, 16.797 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(91, 9, 30)` looks like.

```
.text, #text, p{  
    color:rgb(91, 9, 30)  
}
```

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(91, 9, 30) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(91, 9, 30) }
```

Border

The CSS property to change the border of an element to CIELCh 18, 37.984, 16.797 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(91, 9, 30) }
```

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

```
.border{ border-color:rgb(91, 9, 30) }
```

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

Here you see how a box with a 4 pixel `rgb(91, 9, 30)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(91, 9, 30); -webkit-box-shadow:4px  
4px 4px 4px rgb(91, 9, 30); box-shadow:4px  
4px 4px 4px rgb(91, 9, 30) }
```

Background

The CSS property to change the background color of an element to CIELCh 18, 37.984, 16.797 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(91, 9, 30) }
```

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

```
.background{ background-color: rgb(91, 9,  
30) }
```

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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