

Converting Colors

CIELCh(18, 47.288, 33.200)

Have a look what the booklet for
CIELCh(18, 47.288, 33.200) contains.

CIELCh(18, 47.335, 33.225)	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, 47.335, 33.225)

Conversions

Conversions Part 1

Format	Color
Hex	610004
RGB	97, 0, 4
RGB Percent	38%, 0%, 2%
CMY	0.6213, 1.0000, 0.9824
CMYK	0.00, 1.00, 0.95, 0.62
HSL	357°, 100%, 19%
HSV	357°, 100%, 38%
XYZ	4.9047, 2.5180, 0.3564
YIQ	29.4590, 56.5280, 21.8080

Conversions

Conversions Part 2

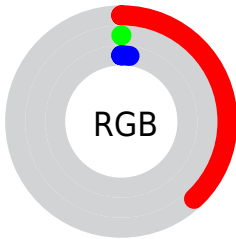
Format	Color
R_{YB}	97, 0, 4
Decimal	6356996
CIE _{Lab}	18.00, 39.60, 25.94
CIE _{LCh}	18, 47.335, 33.225
Yxy	2.5180, 0.6305, 0.3237
Android (android.graphics.Color)	4284547076 (0xFF610004)
YUV	29.4590, -12.5513, 59.2335
Hunter-Lab	15.8683, 27.4019, 9.7760

Details

The CIELCh color **18, 47.335, 33.225** is a dark color, and the websafe version is hex **660000**. A complement of this color would be **36, 25.508, 189.906**, and the grayscale version is **11, 0.003, 296.813**.

A 20% lighter version of the original color is **38, 47.585, 33.766**, and **5, 22.460, 18.874** is the 20% darker color. If you saturate the color by 10%, you get **18, 47.254, 33.369**, and if you desaturate by 10%, it is **19, 43.788, 32.086**.

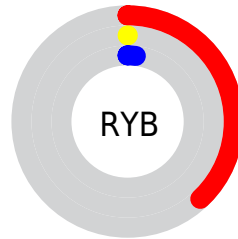
Distribution



Red (38%)

Green (0%)

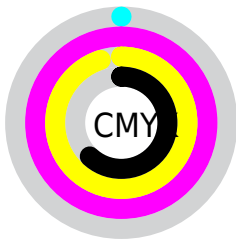
Blue (2%)



Red (38%)

Yellow (0%)

Blue (2%)

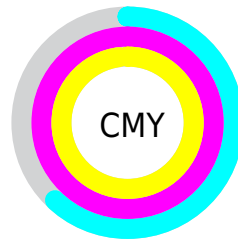


Cyan (0%)

Magenta (100%)

Yellow (95%)

Black (62%)



Cyan (62%)

Magenta (100%)

Yellow (98%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 18, 47.335, 33.225 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, 47.335, 33.225 by changing the saturation by 10% instead.

 18, 47.335, 33.225

 18, 47.335, 33.225

 100, 47.335,
33.225

 8, 47.335, 33.225

 38, 47.335, 33.225

 0, 47.335, 33.225

 48, 47.335, 33.225

 58, 47.335, 33.225

 68, 47.335, 33.225

 78, 47.335, 33.225

 88, 47.335, 33.225

 98, 47.335, 33.225

■ 18, 47.335, 33.225

■ 18, 47.335, 33.225

■ 18, 47.254, 33.369

■ 19, 43.788, 32.086

■ 20, 39.346, 28.986

■ 22, 34.243, 25.783

■ 24, 28.950, 23.157

■ 26, 23.627, 21.062

■ 29, 18.410, 19.406

■ 32, 13.397, 18.092

■ 35, 8.645, 17.036

■ 38, 4.179, 16.156

Harmonies

Complementary

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



18, 47.335, 33.225



36, 25.508, 189.906

Rectangle

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



18, 47.335, 33.225



18, 47.335, 83.225



18, 47.335, 213.225



18, 47.335, 263.225

Sweetspot

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



18, 47.254, 33.369



41, 16.605, 18.197



21, 56.895, 326.389



19, 11.521, 18.556



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, 47.254, 33.369



25, 58.752, 36.323



25, 41.028, 58.288



18, 2.341, 16.063



22, 53.696, 35.264



50, 97.980, 38.647

Inverse Universe

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



18, 47.254, 33.369



25, 58.752, 36.323



22, 30.307, 275.376



18, 2.341, 16.063



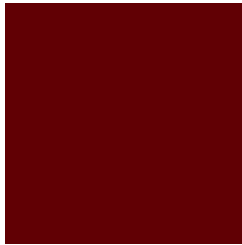
22, 53.696, 35.264



50, 97.980, 38.647

Previews

White Background



This preview shows how the CIELCh color 18, 47.335, 33.225 looks on a white background.

Color Contrast Check

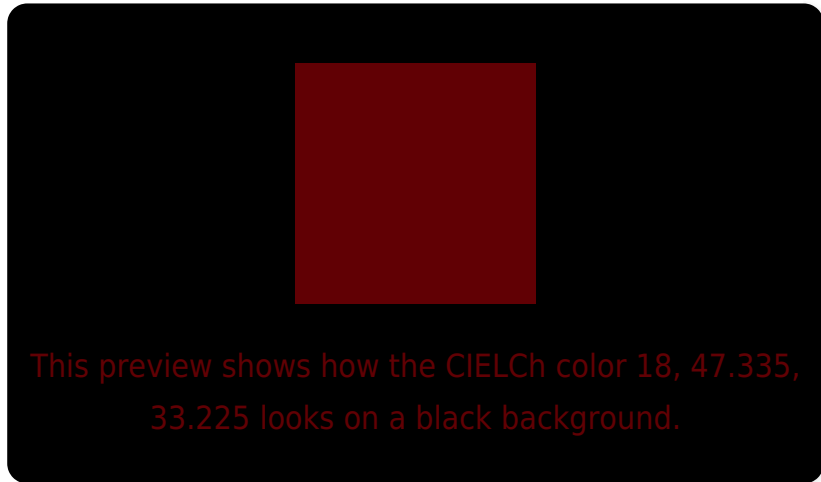
Large Text (above 18pt) WCAG AA ✓ Pass

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

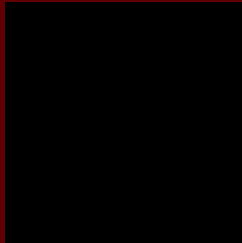
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 18, 47.335, 33.225

Background



This preview shows how black text looks on a background with the CIELCh color 18, 47.335, 33.225.



This preview shows how white text looks on a background with the CIELCh color 18, 47.335, 33.225.

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, 47.530, 33.642

Protanopia

20, 22.714, 96.326

Deuteranopia

20, 28.297, 86.272



Tritanopia
19, 46.514, 37.921

Trichromacy



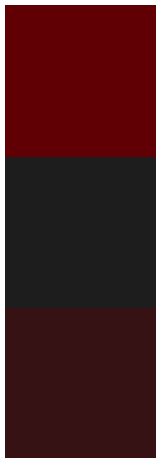
Original Color
18, 47.530, 33.642

Protanomaly
17, 26.849, 50.662

Deuteranomaly
17, 31.672, 51.538

Tritanomaly
18, 46.527, 36.173

Monochromacy



Original Color
18, 47.530, 33.642

Achromatopsia
11, 0.003, 296.813

Achromatomaly
11, 19.732, 22.288

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 18, 47.335, 33.225 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(97, 0, 4)` looks like.

```
.text, #text, p{  
    color:rgb(97, 0, 4)  
}
```

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(97, 0, 4) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(97, 0, 4) }
```

Border

The CSS property to change the border of an element to CIELCh 18, 47.335, 33.225 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(97, 0, 4) }
```

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

```
.border{ border-color:rgb(97, 0, 4) }
```

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

Here you see how a box with a 4 pixel rgb(97, 0, 4) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(97, 0, 4); -webkit-box-shadow:4px  
4px 4px 4px rgb(97, 0, 4); box-shadow:4px  
4px 4px 4px rgb(97, 0, 4) }
```

Background

The CSS property to change the background color of an element to CIELCh 18, 47.335, 33.225 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(97, 0, 4) }
```

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

```
.background{ background-color: rgb(97, 0,  
4) }
```

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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