

Converting Colors

CIELCh(17, 46.486, 54.765)

Have a look what the booklet for
CIELCh(17, 46.486, 54.765) contains.

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Color

CIELCh(17, 37.704, 43.452)

Conversions

Conversions Part 1

Format	Color
Hex	521500
RGB	82, 21, 0
RGB Percent	32%, 8%, 0%
CMY	0.6798, 0.9189, 1.0000
CMYK	0.00, 0.75, 1.00, 0.68
HSL	15°, 100%, 16%
HSV	15°, 100%, 32%
XYZ	3.7102, 2.3023, 0.2363
YIQ	36.8450, 43.0970, 6.4010

Conversions

Conversions Part 2

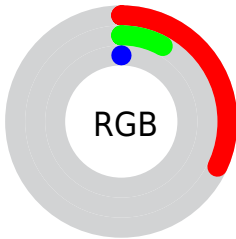
Format	Color
RYB	82, 28, 0
Decimal	5379328
CIELab	17.00, 27.37, 25.93
CIElCh	17, 37.704, 43.452
Yxy	2.3023, 0.5937, 0.3684
Android (android.graphics.Color)	4283569408 (0xFF521500)
YUV	36.8450, -18.1646, 39.6009
Hunter-Lab	15.1734, 17.0938, 9.6982

Details

The CIELCh color **17, 37.704, 43.452** is a dark color, and the websafe version is hex **660000**. A complement of this color would be **23, 19.661, 242.584**, and the grayscale version is **15, 0.003, 296.813**.

A 20% lighter version of the original color is **37, 37.854, 43.343**, and **2, 10.621, 17.229** is the 20% darker color. If you saturate the color by 10%, you get **17, 37.597, 43.246**, and if you desaturate by 10%, it is **18, 34.329, 44.156**.

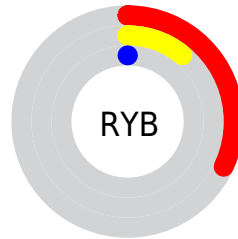
Distribution



Red (32%)

Green (8%)

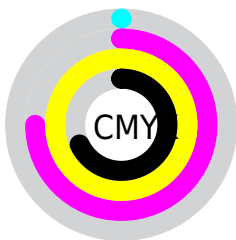
Blue (0%)



Red (32%)

Yellow (11%)

Blue (0%)

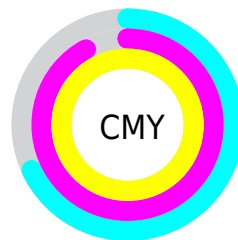


Cyan (0%)

Magenta (75%)

Yellow (100%)

Black (68%)



Cyan (68%)

Magenta (92%)

Yellow (100%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 17, 37.704, 43.452 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 17, 37.704, 43.452 by changing the saturation by 10% instead.

 17, 37.704, 43.452

 17, 37.704, 43.452

 100, 37.704,
43.452

 7, 37.704, 43.452

 37, 37.704, 43.452

 0, 37.704, 43.452

 47, 37.704, 43.452

 57, 37.704, 43.452

 67, 37.704, 43.452

 77, 37.704, 43.452

 87, 37.704, 43.452

 97, 37.704, 43.452

■ 17, 37.704, 43.452

■ 17, 37.704, 43.452

■ 17, 37.597, 43.246

■ 18, 34.329, 44.156

■ 20, 30.627, 45.187

■ 21, 26.090, 44.939

■ 23, 21.633, 44.698

■ 25, 17.396, 44.595

■ 27, 13.413, 44.629

■ 29, 9.693, 44.782

■ 31, 6.228, 45.028

■ 33, 3.003, 45.322

Harmonies

Complementary

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



17, 37.704, 43.452



23, 19.661, 242.584

Rectangle

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



17, 37.704, 43.452



17, 37.704, 93.452



17, 37.704, 223.452



17, 37.704, 273.452

Sweetspot

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



17, 37.597, 43.246



38, 12.175, 44.761



16, 42.358, 340.011



17, 8.281, 44.718



74, 0.009, 296.813



22, 0.004, 296.813

Same Dimension

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



17, 37.597, 43.246



23, 48.577, 45.108



27, 36.587, 85.220



15, 1.669, 45.356



23, 47.525, 44.989



52, 90.659, 44.955

Inverse Universe

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



23, 19.661, 242.584



31, 23.933, 244.355



10, 44.266, 297.781



16, 1.595, 226.340



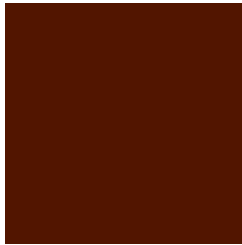
31, 23.513, 244.213



66, 42.942, 247.678

Previews

White Background



This preview shows how the CIELCh color 17, 37.704, 43.452 looks on a white background.

Color Contrast Check

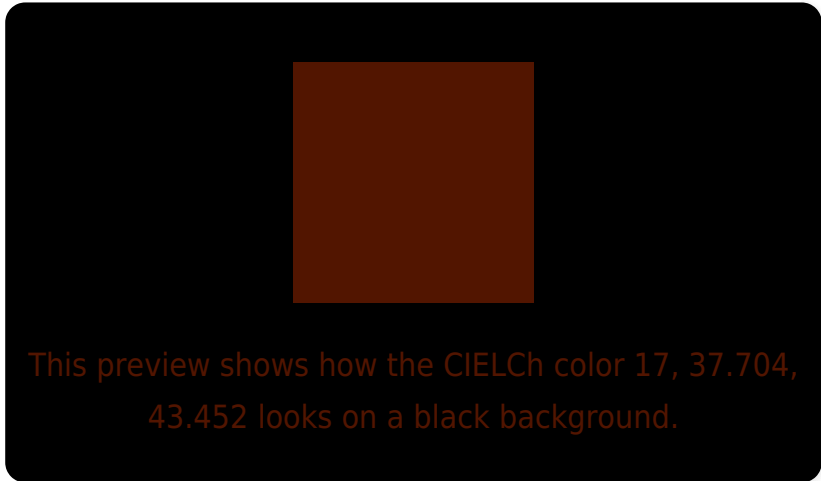
Large Text (above 18pt) WCAG AA ✓ Pass

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 17, 37.704, 43.452

Background



This preview shows how black text looks on a background with the CIELCh color 17, 37.704, 43.452.

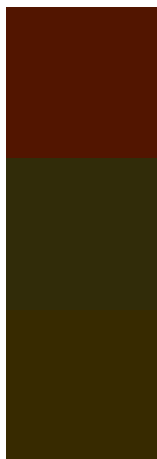


This preview shows how white text looks on a background with the CIELCh color 17, 37.704, 43.452.

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

17, 37.704, 43.452

Protanopia

18, 22.019, 97.413

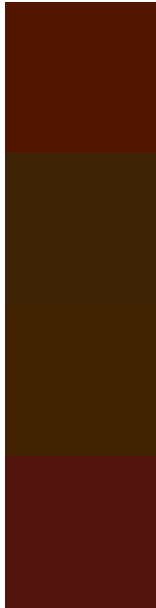
Deuteranopia

18, 25.670, 87.361



Tritanopia
17, 33.457, 29.400

Trichromacy



Original Color
17, 37.704, 43.452

Protanomaly
17, 23.966, 68.158

Deuteranomaly
17, 27.588, 64.201

Tritanomaly
17, 34.967, 35.868

Monochromacy



Original Color
17, 37.704, 43.452

Achromatopsia
15, 0.003, 296.813

Achromatomaly
14, 13.377, 43.471

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 17, 37.704, 43.452 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(82, 21, 0)` looks like.

```
.text, #text, p{  
    color:rgb(82, 21, 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(82, 21, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(82, 21, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 17, 37.704, 43.452 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(82, 21, 0) }
```

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

```
.border{ border-color:rgb(82, 21, 0) }
```

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

Here you see how a box with a 4 pixel rgb(82, 21, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(82, 21, 0); -webkit-box-shadow:4px  
4px 4px 4px rgb(82, 21, 0); box-shadow:4px  
4px 4px 4px rgb(82, 21, 0) }
```

Background

The CSS property to change the background color of an element to CIELCh 17, 37.704, 43.452 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(82, 21, 0) }
```

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

```
.background{ background-color: rgb(82, 21,  
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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