

Converting Colors

CIELCh(7, 96.896, 43.707)

Have a look what the booklet for
CIELCh(7, 96.896, 43.707) contains.

CIELCh(17, 45.753, 33.637)	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>	25

Color

CIELCh(17, 45.753, 33.637)

Conversions

Conversions Part 1

Format	Color
Hex	5C0002
RGB	92, 0, 2
RGB Percent	36%, 0%, 1%
CMY	0.6381, 0.9987, 0.9907
CMYK	0.00, 1.00, 0.97, 0.64
HSL	359°, 99%, 18%
HSV	359°, 100%, 36%
XYZ	4.4592, 2.3023, 0.2773
YIQ	27.7360, 54.1900, 20.1260

Conversions

Conversions Part 2

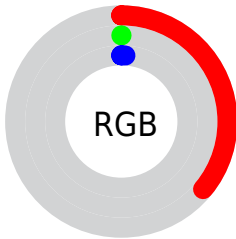
Format	Color
R _Y B	92, 0, 2
Decimal	6029314
CIE Lab	17.00, 38.09, 25.34
CIE LCh	17, 45.753, 33.637
Yxy	2.3023, 0.6335, 0.3271
Android (android.graphics.Color)	4284219394 (0xFF5C0002)
YUV	27.7360, -12.6878, 56.3595
Hunter-Lab	15.1734, 25.9047, 9.5378

Details

The CIELCh color **17, 45.753, 33.637** is a dark color, and the websafe version is hex **660000**. A complement of this color would be **35, 24.196, 193.256**, and the grayscale version is **10, 0.003, 296.813**.

A 20% lighter version of the original color is **37, 45.889, 33.839**, and **4, 17.716, 18.101** is the 20% darker color. If you saturate the color by 10%, you get **17, 45.870, 33.665**, and if you desaturate by 10%, it is **18, 42.395, 32.664**.

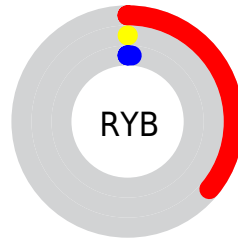
Distribution



Red (36%)

Green (0%)

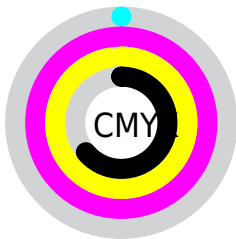
Blue (1%)



Red (36%)

Yellow (0%)

Blue (1%)

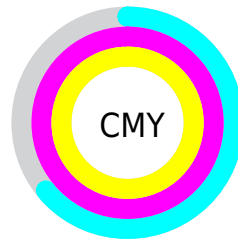


Cyan (0%)

Magenta (100%)

Yellow (97%)

Black (64%)



Cyan (64%)

Magenta (100%)

Yellow (99%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 17, 45.753, 33.637 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, 45.753, 33.637 by changing the saturation by 10% instead.

 17, 45.753, 33.637

 17, 45.753, 33.637

 100, 45.753,
33.637

 7, 45.753, 33.637

 37, 45.753, 33.637

 0, 45.753, 33.637

 47, 45.753, 33.637

 57, 45.753, 33.637

 67, 45.753, 33.637

 77, 45.753, 33.637

 87, 45.753, 33.637

 97, 45.753, 33.637

■ 17, 45.753, 33.637

■ 17, 45.753, 33.637

■ 17, 45.870, 33.665

■ 18, 42.395, 32.664

■ 19, 38.226, 30.313

■ 21, 33.148, 27.251

■ 23, 27.921, 24.732

■ 25, 22.703, 22.726

■ 28, 17.621, 21.145

■ 31, 12.762, 19.900

■ 33, 8.174, 18.908

■ 36, 3.877, 18.086

Harmonies

Complementary

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



17, 45.753, 33.637



35, 24.196, 193.256

Rectangle

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



17, 45.753, 33.637



17, 45.753, 83.637



17, 45.753, 213.637



17, 45.753, 263.637

Sweetspot

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



17, 45.751, 33.639



40, 16.079, 20.044



20, 54.975, 327.003



18, 11.158, 20.374



77, 0.009, 296.813



26, 0.004, 296.813

Same Dimension

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



17, 45.751, 33.639



24, 57.396, 36.915



24, 39.089, 59.711



17, 2.233, 18.020



21, 53.228, 35.976



50, 98.083, 39.332

Inverse Universe

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



17, 45.751, 33.639



24, 57.396, 36.915



20, 30.058, 276.897



17, 2.233, 18.020



21, 53.228, 35.976



50, 98.083, 39.332

Previews

White Background



This preview shows how the CIELCh color 17, 45.753, 33.637 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, 45.753, 33.637

Background



This preview shows how black text looks on a background with the CIELCh color 17, 45.753, 33.637.



This preview shows how white text looks on a background with the CIELCh color 17, 45.753, 33.637.

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, 45.753, 33.637

Protanopia

19, 22.474, 97.577

Tritanopia

18, 44.675, 37.578

Trichromacy



Original Color
17, 45.753, 33.637

Protanomaly
16, 26.321, 52.459

Tritanomaly
17, 44.929, 36.126

Monochromacy



Original Color
17, 45.753, 33.637

Achromatopsia
10, 0.003, 296.813

Achromatomaly
10, 18.269, 23.183

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 17, 45.753, 33.637 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(92, 0, 2)` looks like.

```
.text, #text, p{  
    color:rgb(92, 0, 2)  
}
```

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(92, 0, 2) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(92, 0, 2) }
```

Border

The CSS property to change the border of an element to CIELCh 17, 45.753, 33.637 is called "border". The border property can be set on classes, ids or directly on the HTML element.

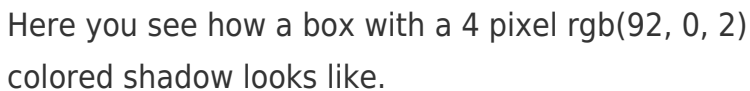
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(92, 0, 2) }
```

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

```
.border{ border-color:rgb(92, 0, 2) }
```

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



Here you see how a box with a 4 pixel `rgb(92, 0, 2)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(92, 0, 2); -webkit-box-shadow:4px  
4px 4px 4px rgb(92, 0, 2); box-shadow:4px  
4px 4px 4px rgb(92, 0, 2) }
```

Background

The CSS property to change the background color of an element to CIELCh 17, 45.753, 33.637 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(92, 0, 2) }
```

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

```
.background{ background-color: rgb(92, 0,  
2) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor