

Converting Colors

CIELCh(45, 31.071, 50.736)

Have a look what the booklet for
CIELCh(45, 31.071, 50.736) contains.

CIELCh(45, 31.177, 50.988)	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(45, 31.177, 50.988)

Conversions

Conversions Part 1

Format	Color
Hex	945D43
RGB	148, 93, 67
RGB Percent	58%, 36%, 26%
CMY	0.4194, 0.6351, 0.7371
CMYK	0.00, 0.37, 0.55, 0.42
HSL	19°, 38%, 42%
HSV	19°, 55%, 58%
XYZ	17.1532, 14.5417, 7.2190
YIQ	106.4810, 41.1260, 3.5740

Conversions

Conversions Part 2

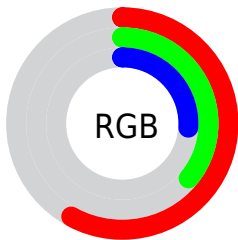
Format	Color
R_{YB}	148, 105, 67
Decimal	9723203
CIE Lab	45.00, 19.63, 24.22
CIE LCh	45, 31.177, 50.988
Yxy	14.5417, 0.4408, 0.3737
Android (android.graphics.Color)	4287913283 (0xFF945D43)
YUV	106.4810, -19.4641, 36.4122
Hunter-Lab	38.1336, 13.5586, 15.4694

Details

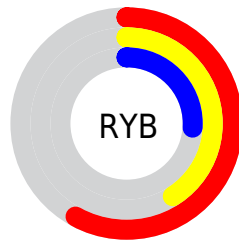
The CIELCh color **45, 31.177, 50.988** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **49, 22.239, 242.006**, and the grayscale version is **45, 0.006, 296.813**.

A 20% lighter version of the original color is **65, 31.476, 51.496**, and **25, 31.285, 50.740** is the 20% darker color. If you saturate the color by 10%, you get **42, 38.141, 50.689**, and if you desaturate by 10%, it is **48, 24.573, 51.386**.

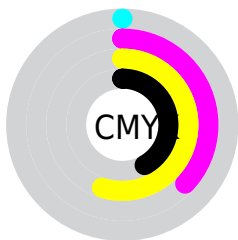
Distribution



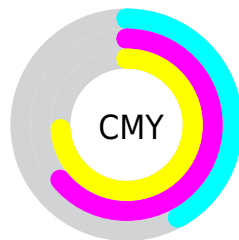
- Red (58%)
- Green (36%)
- Blue (26%)



- Red (58%)
- Yellow (41%)
- Blue (26%)



- Cyan (0%)
- Magenta (37%)
- Yellow (55%)
- Black (42%)



- Cyan (42%)
- Magenta (64%)
- Yellow (74%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 45, 31.177, 50.988 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 45, 31.177, 50.988 by changing the saturation by 10% instead.

■ 45, 31.177, 50.988 ■ 45, 31.177, 50.988

■ 100, 31.177, 50.988 ■ 35, 31.177, 50.988

■ 65, 31.177, 50.988 ■ 25, 31.177, 50.988

■ 75, 31.177, 50.988 ■ 15, 31.177, 50.988

■ 85, 31.177, 50.988 ■ 5, 31.177, 50.988

■ 95, 31.177, 50.988 ■ 0, 31.177, 50.988

■ 45, 31.177, 50.988 ■ 45, 31.177, 50.988

■ 42, 38.141, 50.689 ■ 48, 24.573, 51.386

■ 40, 45.320, 50.425 ■ 51, 18.385, 51.875

38, 52.365, 50.046

54, 12.615, 52.446

36, 58.591, 49.233

57, 7.244, 53.073

35, 61.916, 49.088

60, 2.239, 53.652

63, 2.433, 234.726

66, 6.810, 235.377

69, 10.925,
236.118

73, 14.810,
236.871

Harmonies

Complementary

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



45, 31.177, 50.988



49, 22.239, 242.006

Rectangle

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



45, 31.177, 50.988



45, 31.177, 100.988



45, 31.177, 230.988



45, 31.177, 280.988

Sweetspot

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



45, 31.176, 50.992



71, 9.760, 52.970



41, 43.940, 339.308



37, 6.686, 52.852



89, 0.011, 296.813



41, 0.006, 296.813

Same Dimension

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



45, 31.176, 50.992



54, 48.319, 50.620



56, 37.428, 95.126



30, 2.724, 53.420



32, 58.477, 49.223



1, 2.316, 54.163

Inverse Universe

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



49, 22.239, 242.006



59, 31.410, 245.527



37, 40.883, 290.450



30, 2.603, 235.008



37, 31.656, 258.588



2, 2.316, 234.181

Previews

White Background



This preview shows how the CIELCh color 45, 31.177, 50.988 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 × Fail

Black Background



This preview shows how the CIELCh color 45, 31.177, 50.988 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 45, 31.177, 50.988

Background



This preview shows how black text looks on a background with the CIELCh color 45, 31.177, 50.988.



This preview shows how white text looks on a background with the CIELCh color 45, 31.177, 50.988.

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

45, 31.177, 50.988

Protanopia

45, 20.459, 95.659

Deuteranopia

45, 25.609, 77.014



Tritanopia
45, 26.868, 14.627

Trichromacy



Original Color
45, 31.177, 50.988

Protanomaly
45, 22.272, 74.432

Deuteranomaly
45, 26.797, 66.325

Tritanomaly
45, 27.095, 29.172

Monochromacy



Original Color
45, 31.177, 50.988

Achromatopsia
45, 0.006, 296.813

Achromatomaly
45, 10.673, 53.884

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 31.177, 50.988 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(148, 93, 67)` looks like.

```
.text, #text, p{  
  color:rgb(148, 93, 67)  
}
```

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(148, 93, 67) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(148, 93, 67) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 31.177, 50.988 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(148, 93, 67) }
```

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

```
.border{ border-color:rgb(148, 93, 67) }
```

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

Here you see how a box with a 4 pixel `rgb(148, 93, 67)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(148, 93, 67); -webkit-box-  
shadow:4px 4px 4px 4px rgb(148, 93, 67);  
box-shadow:4px 4px 4px 4px rgb(148, 93,  
67) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 31.177, 50.988 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(148, 93, 67) }
```

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

```
.background{ background-color: rgb(148, 93,  
67) }
```

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