

Converting Colors

CIELCh(45, 51.284, 31.120)

Have a look what the booklet for
CIELCh(45, 51.284, 31.120) contains.

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Color

CIELCh(45, 51.284, 31.120)

Conversions

Conversions Part 1

Format	Color
Hex	B44741
RGB	180, 71, 65
RGB Percent	71%, 28%, 25%
CMY	0.2949, 0.7223, 0.7457
CMYK	0.00, 0.61, 0.64, 0.29
HSL	3°, 47%, 48%
HSV	3°, 64%, 71%
XYZ	21.9655, 14.5417, 6.6260
YIQ	102.9070, 66.8900, 21.2420

Conversions

Conversions Part 2

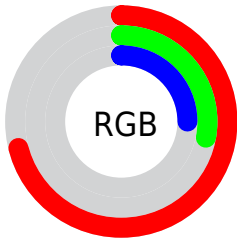
Format	Color
RYB	180, 71, 65
Decimal	11814721
CIELab	45.00, 43.90, 26.51
CIELCh	45, 51.284, 31.120
Yxy	14.5417, 0.5092, 0.3371
Android (android.graphics.Color)	4290004801 (0xFFB44741)
YUV	102.9070, -18.6882, 67.6106
Hunter-Lab	38.1336, 36.0848, 16.3914

Details

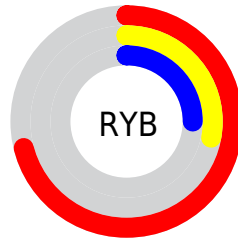
The CIELCh color **45, 51.284, 31.120** is a dark color, and the websafe version is hex **993333**. A complement of this color would be **65, 31.113, 203.147**, and the grayscale version is **44, 0.006, 296.813**.

A 20% lighter version of the original color is **65, 51.345, 31.346**, and **25, 51.196, 31.166** is the 20% darker color. If you saturate the color by 10%, you get **42, 60.440, 33.664**, and if you desaturate by 10%, it is **49, 42.104, 29.055**.

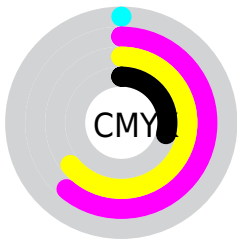
Distribution



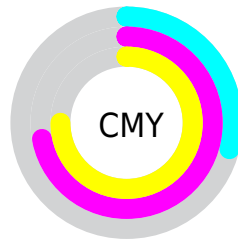
- Red (71%)
- Green (28%)
- Blue (25%)



- Red (71%)
- Yellow (28%)
- Blue (25%)



- Cyan (0%)
- Magenta (61%)
- Yellow (64%)
- Black (29%)



- Cyan (29%)
- Magenta (72%)
- Yellow (75%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 45, 51.284, 31.120 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, 51.284, 31.120 by changing the saturation by 10% instead.

■ 45, 51.284, 31.120

■ 45, 51.284, 31.120

■ 100, 51.284,
31.120

■ 35, 51.284, 31.120

■ 65, 51.284, 31.120

■ 25, 51.284, 31.120

■ 75, 51.284, 31.120

■ 15, 51.284, 31.120

■ 85, 51.284, 31.120

■ 5, 51.284, 31.120

■ 95, 51.284, 31.120

■ 0, 51.284, 31.120

■ 45, 51.284, 31.120

■ 45, 51.284, 31.120

■ 42, 60.440, 33.664

■ 49, 42.104, 29.055

■ 40, 69.093, 36.506

■ 53, 33.187, 27.447

38, 76.217, 39.035

57, 24.708, 26.222

38, 79.705, 40.559

62, 16.759, 25.298

66, 9.374, 24.592

71, 2.543, 23.940

76, 3.767, 203.907

81, 9.602, 203.552

86, 15.014,
203.337

Harmonies

Complementary

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



45, 51.284, 31.120



65, 31.113, 203.147

Rectangle

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



45, 51.284, 31.120



45, 51.284, 81.120



45, 51.284, 211.120



45, 51.284, 261.120

Sweetspot

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



45, 51.282, 31.123



81, 16.214, 24.950



48, 69.469, 329.155



41, 11.277, 25.158



96, 0.011, 296.813



49, 0.007, 296.813

Same Dimension

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



45, 51.282, 31.123



53, 78.526, 34.897



58, 43.627, 72.136



35, 3.718, 24.311



32, 70.222, 40.299



2, 8.797, 22.893

Inverse Universe

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



65, 31.113, 203.147



82, 41.763, 203.642



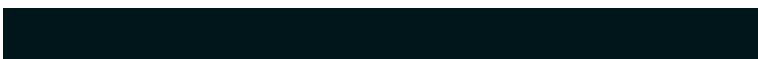
48, 38.754, 274.292



37, 3.504, 203.730



55, 31.975, 204.916



7, 8.466, 206.242

Previews

White Background



This preview shows how the CIELCh color 45, 51.284, 31.120 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, 51.284, 31.120 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, 51.284, 31.120

Background



This preview shows how black text looks on a background with the CIELCh color 45, 51.284, 31.120.



This preview shows how white text looks on a background with the CIELCh color 45, 51.284, 31.120.

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, 51.284, 31.120

Protanopia

45, 16.937, 95.493

Deuteranopia

45, 29.198, 78.021



Tritanopia
45, 50.012, 24.638

Trichromacy



Original Color
45, 51.284, 31.120

Protanomaly
44, 24.661, 49.958

Deuteranomaly
45, 34.139, 52.712

Tritanomaly
45, 50.257, 27.002

Monochromacy



Original Color
45, 51.284, 31.120

Achromatopsia
44, 0.006, 296.813

Achromatomaly
43, 17.907, 25.595

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 51.284, 31.120 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(180, 71, 65)` looks like.

```
.text, #text, p{  
    color:rgb(180, 71, 65)  
}
```

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(180, 71, 65) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 71, 65) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 51.284, 31.120 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(180, 71, 65) }
```

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

```
.border{ border-color:rgb(180, 71, 65) }
```

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

Here you see how a box with a 4 pixel rgb(180, 71, 65) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 71, 65); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 71, 65);  
box-shadow:4px 4px 4px 4px rgb(180, 71,  
65) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 51.284, 31.120 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 71, 65) }
```

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

```
.background{ background-color: rgb(180, 71,  
65) }
```

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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