

Converting Colors

CIELCh(52, 44.948, 65.164)

Have a look what the booklet for
CIELCh(52, 44.948, 65.164) contains.

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Color

CIELCh(52, 45.026, 65.167)

Conversions

Conversions Part 1

Format	Color
Hex	AB6E35
RGB	171, 110, 53
RGB Percent	67%, 43%, 21%
CMY	0.3284, 0.5678, 0.7913
CMYK	0.00, 0.36, 0.69, 0.33
HSL	29°, 53%, 44%
HSV	29°, 69%, 67%
XYZ	23.0966, 20.1443, 6.0644
YIQ	121.7410, 54.6530, -4.7950

Conversions

Conversions Part 2

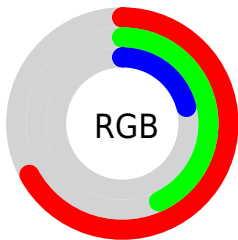
Format	Color
RYB	171, 163, 53
Decimal	11234869
CIELab	52.00, 18.91, 40.86
CIElCh	52, 45.026, 65.167
Yxy	20.1443, 0.4684, 0.4086
Android (android.graphics.Color)	4289424949 (0xFFAB6E35)
YUV	121.7410, -33.8893, 43.2001
Hunter-Lab	44.8824, 13.3121, 23.4066

Details

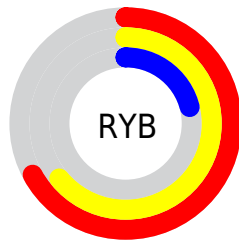
The CIELCh color **52, 45.026, 65.167** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **47, 36.210, 268.856**, and the grayscale version is **51, 0.007, 296.813**.

A 20% lighter version of the original color is **72, 45.103, 65.320**, and **32, 44.977, 65.293** is the 20% darker color. If you saturate the color by 10%, you get **50, 52.016, 63.734**, and if you desaturate by 10%, it is **54, 37.820, 66.451**.

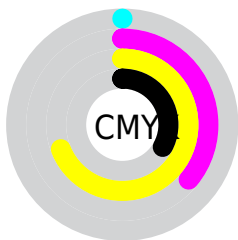
Distribution



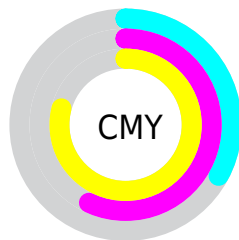
- Red (67%)
- Green (43%)
- Blue (21%)



- Red (67%)
- Yellow (64%)
- Blue (21%)



- Cyan (0%)
- Magenta (36%)
- Yellow (69%)
- Black (33%)



- Cyan (33%)
- Magenta (57%)
- Yellow (79%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 52, 45.026, 65.167 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 52, 45.026, 65.167 by changing the saturation by 10% instead.

■ 52, 45.026, 65.167

■ 52, 45.026, 65.167

■ 100, 45.026,
65.167

■ 42, 45.026, 65.167

■ 72, 45.026, 65.167

■ 32, 45.026, 65.167

■ 82, 45.026, 65.167

■ 22, 45.026, 65.167

■ 92, 45.026, 65.167

■ 12, 45.026, 65.167

■ 2, 45.026, 65.167

■ 0, 45.026, 65.167

■ 52, 45.026, 65.167

■ 52, 45.026, 65.167

■ 50, 52.016, 63.734

■ 54, 37.820, 66.451

■ 48, 58.194, 61.931

■ 57, 30.713, 67.676

46, 63.081, 59.648

59, 23.851, 68.885

45, 63.633, 59.442

62, 17.287, 70.088

65, 11.033, 71.281

68, 5.078, 72.438

70, 0.603, 254.244

73, 6.033, 254.885

76, 11.241,
255.976

Harmonies

Complementary

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



52, 45.026, 65.167



47, 36.210, 268.856

Rectangle

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



52, 45.026, 65.167



52, 45.026, 115.167



52, 45.026, 245.167



52, 45.026, 295.167

Sweetspot

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



52, 45.025, 65.171



81, 15.202, 70.992



42, 54.394, 349.994



42, 10.441, 70.673



95, 0.011, 296.813



47, 0.006, 296.813

Same Dimension

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



52, 45.025, 65.171



62, 67.429, 62.802



67, 57.989, 102.372



35, 3.256, 72.396



40, 57.717, 59.872



4, 6.465, 63.288

Inverse Universe

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



47, 36.210, 268.856



54, 53.072, 275.136



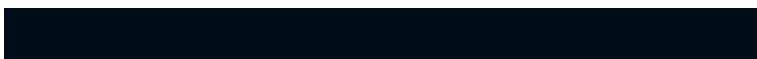
31, 71.219, 300.330



35, 3.179, 254.790



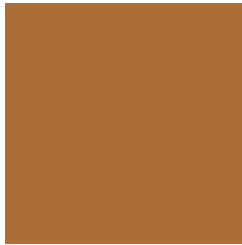
33, 46.354, 281.539



3, 7.278, 263.070

Previews

White Background



This preview shows how the CIELCh color 52, 45.026, 65.167 looks on a white 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

Black Background



This preview shows how the CIE LCh color 52, 45.026, 65.167 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

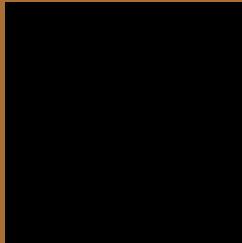
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 52, 45.026, 65.167

Background



This preview shows how black text looks on a background with the CIELCh color 52, 45.026, 65.167.



This preview shows how white text looks on a background with the CIELCh color 52, 45.026, 65.167.

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

52, 45.026, 65.167

Protanopia

52, 37.951, 96.121

Deuteranopia

52, 42.038, 80.266



Tritanopia
52, 30.428, 14.855

Trichromacy



Original Color
52, 45.026, 65.167

Protanomaly
52, 39.055, 84.049

Deuteranomaly
52, 42.645, 74.236

Tritanomaly
52, 32.364, 38.019

Monochromacy



Original Color
52, 45.026, 65.167

Achromatopsia
51, 0.007, 296.813

Achromatomaly
51, 15.656, 70.503

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 52, 45.026, 65.167 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(171, 110, 53)` looks like.

```
.text, #text, p{  
    color:rgb(171, 110, 53)  
}
```

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(171, 110, 53) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 110, 53) }
```

Border

The CSS property to change the border of an element to CIELCh 52, 45.026, 65.167 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(171, 110, 53) }
```

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

```
.border{ border-color:rgb(171, 110, 53) }
```

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

Here you see how a box with a 4 pixel rgb(171, 110, 53) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 110, 53); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 110, 53);  
box-shadow:4px 4px 4px 4px rgb(171, 110,  
53) }
```

Background

The CSS property to change the background color of an element to CIELCh 52, 45.026, 65.167 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 110, 53) }
```

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

```
.background{ background-color: rgb(171,  
110, 53) }
```

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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