

Converting Colors

CIELCh(45, 43.738, 53.396)

Have a look what the booklet for
CIELCh(45, 43.738, 53.396) contains.

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Color

CIELCh(45, 43.751, 53.919)

Conversions

Conversions Part 1

Format	Color
Hex	9F5830
RGB	159, 88, 48
RGB Percent	62%, 35%, 19%
CMY	0.3768, 0.6552, 0.8120
CMYK	0.00, 0.45, 0.70, 0.38
HSL	22°, 54%, 41%
HSV	22°, 70%, 62%
XYZ	18.2960, 14.5417, 4.6311
YIQ	104.6690, 55.1560, 2.6120

Conversions

Conversions Part 2

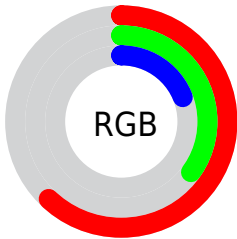
Format	Color
R_{YB}	159, 111, 48
Decimal	10442800
CIE Lab	45.00, 25.77, 35.36
CIE LCh	45, 43.751, 53.919
Yxy	14.5417, 0.4883, 0.3881
Android (android.graphics.Color)	4288632880 (0xFF9F5830)
YUV	104.6690, -27.9378, 47.6483
Hunter-Lab	38.1336, 18.9082, 19.4930

Details

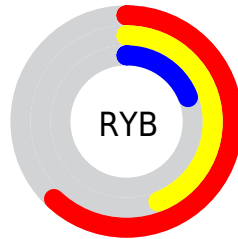
The CIELCh color **45, 43.751, 53.919** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **47, 29.303, 252.651**, and the grayscale version is **44, 0.006, 296.813**.

A 20% lighter version of the original color is **65, 43.752, 53.889**, and **25, 43.445, 54.182** is the 20% darker color. If you saturate the color by 10%, you get **43, 51.108, 53.272**, and if you desaturate by 10%, it is **48, 36.405, 54.502**.

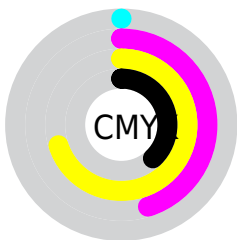
Distribution



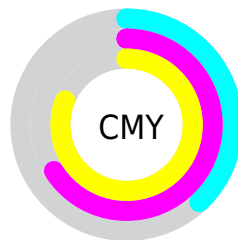
- Red (62%)
- Green (35%)
- Blue (19%)



- Red (62%)
- Yellow (44%)
- Blue (19%)



- Cyan (0%)
- Magenta (45%)
- Yellow (70%)
- Black (38%)



- Cyan (38%)
- Magenta (66%)
- Yellow (81%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 45, 43.751, 53.919 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, 43.751, 53.919 by changing the saturation by 10% instead.

■ 45, 43.751, 53.919 ■ 45, 43.751, 53.919

■ 100, 43.751, 53.919 ■ 35, 43.751, 53.919

■ 65, 43.751, 53.919 ■ 25, 43.751, 53.919

■ 75, 43.751, 53.919 ■ 15, 43.751, 53.919

■ 85, 43.751, 53.919 ■ 5, 43.751, 53.919

■ 95, 43.751, 53.919 ■ 0, 43.751, 53.919

■ 45, 43.751, 53.919 ■ 45, 43.751, 53.919

■ 43, 51.108, 53.272 ■ 48, 36.405, 54.502

■ 40, 57.913, 52.303 ■ 50, 29.338, 55.113

38, 63.869, 51.100

53, 22.655, 55.789

38, 63.974, 51.093

56, 16.387, 56.528

59, 10.526, 57.317

62, 5.047, 58.121

66, 0.085, 243.742

69, 4.904, 240.035

72, 9.448, 240.882

Harmonies

Complementary

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



45, 43.751, 53.919



47, 29.303, 252.651

Rectangle

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



45, 43.751, 53.919



45, 43.751, 103.919



45, 43.751, 233.919



45, 43.751, 283.919

Sweetspot

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



45, 43.750, 53.922



75, 13.868, 57.192



39, 55.086, 342.867



39, 9.546, 56.985



92, 0.011, 296.813



44, 0.006, 296.813

Same Dimension

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



45, 43.750, 53.922



54, 67.003, 52.777



59, 50.509, 95.505



32, 2.883, 58.167



34, 58.969, 51.438



2, 3.665, 56.748

Inverse Universe

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



47, 29.303, 252.651



57, 41.269, 259.041



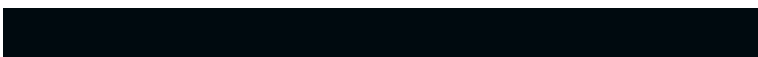
31, 59.277, 296.009



32, 2.767, 240.030



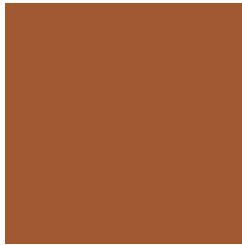
37, 34.896, 265.344



2, 3.705, 243.104

Previews

White Background



This preview shows how the CIELCh color 45, 43.751, 53.919 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, 43.751, 53.919 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, 43.751, 53.919

Background



This preview shows how black text looks on a background with the CIELCh color 45, 43.751, 53.919.



This preview shows how white text looks on a background with the CIELCh color 45, 43.751, 53.919.

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, 43.751, 53.919

Protanopia

45, 31.151, 96.053

Deuteranopia

45, 36.664, 80.846



Tritanopia
45, 34.671, 18.997

Trichromacy



Original Color
45, 43.751, 53.919

Protanomaly
45, 32.853, 76.743

Deuteranomaly
45, 37.977, 70.029

Tritanomaly
45, 36.044, 34.254

Monochromacy



Original Color
45, 43.751, 53.919

Achromatopsia
44, 0.006, 296.813

Achromatomaly
44, 14.915, 56.959

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 43.751, 53.919 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(159, 88, 48)` looks like.

```
.text, #text, p{  
    color:rgb(159, 88, 48)  
}
```

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(159, 88, 48) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 88, 48) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 43.751, 53.919 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(159, 88, 48) }
```

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

```
.border{ border-color:rgb(159, 88, 48) }
```

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

Here you see how a box with a 4 pixel rgb(159, 88, 48) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 88, 48); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 88, 48);  
box-shadow:4px 4px 4px 4px rgb(159, 88,  
48) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 43.751, 53.919 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 88, 48) }
```

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

```
.background{ background-color: rgb(159, 88,  
48) }
```

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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