

Converting Colors

CIELCh(44, 48.611, 45.880)

Have a look what the booklet for
CIELCh(44, 48.611, 45.880) contains.

CIELCh(44, 48.746, 45.730)	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(44, 48.746, 45.730)

Conversions

Conversions Part 1

Format	Color
Hex	A64E2F
RGB	166, 78, 47
RGB Percent	65%, 31%, 18%
CMY	0.3477, 0.6930, 0.8147
CMYK	0.00, 0.53, 0.72, 0.35
HSL	16°, 56%, 42%
HSV	16°, 72%, 65%
XYZ	19.0573, 13.8382, 4.3829
YIQ	100.7780, 62.3990, 9.0150

Conversions

Conversions Part 2

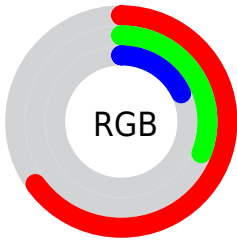
Format	Color
RYB	166, 89, 47
Decimal	10898991
CIELab	44.00, 34.03, 34.90
CIELCh	44, 48.746, 45.730
Yxy	13.8382, 0.5112, 0.3712
Android (android.graphics.Color)	4289089071 (0xFFA64E2F)
YUV	100.7780, -26.5126, 57.1997
Hunter-Lab	37.1997, 26.3456, 19.0542

Details

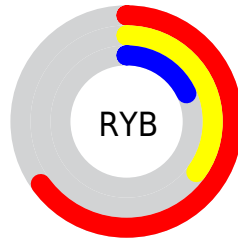
The CIELCh color **44, 48.746, 45.730** is a dark color, and the websafe version is hex **CC6633**. A complement of this color would be **53, 28.605, 237.024**, and the grayscale version is **43, 0.006, 296.813**.

A 20% lighter version of the original color is **64, 48.951, 45.813**, and **24, 48.635, 45.953** is the 20% darker color. If you saturate the color by 10%, you get **41, 56.904, 46.022**, and if you desaturate by 10%, it is **47, 40.592, 45.457**.

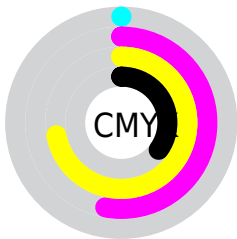
Distribution



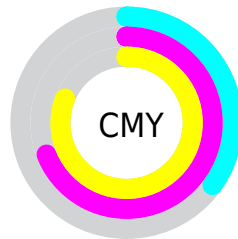
- Red (65%)
- Green (31%)
- Blue (18%)



- Red (65%)
- Yellow (35%)
- Blue (18%)



- Cyan (0%)
- Magenta (53%)
- Yellow (72%)
- Black (35%)



- Cyan (35%)
- Magenta (69%)
- Yellow (81%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 44, 48.746, 45.730 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 44, 48.746, 45.730 by changing the saturation by 10% instead.

■ 44, 48.746, 45.730 ■ 44, 48.746, 45.730

■ 100, 48.746, 45.730 ■ 34, 48.746, 45.730

■ 64, 48.746, 45.730 ■ 24, 48.746, 45.730

■ 74, 48.746, 45.730 ■ 14, 48.746, 45.730

■ 84, 48.746, 45.730 ■ 4, 48.746, 45.730

■ 94, 48.746, 45.730 ■ 0, 48.746, 45.730

■ 44, 48.746, 45.730 ■ 44, 48.746, 45.730

■ 41, 56.904, 46.022 ■ 47, 40.592, 45.457

■ 39, 64.362, 46.001 ■ 50, 32.767, 45.313

38, 69.877, 45.911

53, 25.402, 45.324

57, 18.539, 45.480

60, 12.176, 45.753

64, 6.285, 46.100

68, 0.827, 46.077

71, 4.240, 227.245

75, 8.960, 227.732

Harmonies

Complementary

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



44, 48.746, 45.730



53, 28.605, 237.024

Rectangle

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



44, 48.746, 45.730



44, 48.746, 95.730



44, 48.746, 225.730



44, 48.746, 275.730

Sweetspot

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



44, 48.744, 45.733



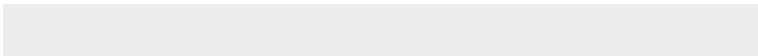
77, 14.680, 45.759



41, 61.762, 337.791



40, 10.121, 45.677



94, 0.011, 296.813



46, 0.006, 296.813

Same Dimension

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



44, 48.744, 45.733



52, 74.944, 46.081



58, 49.984, 88.171



34, 3.071, 46.180



33, 63.779, 46.128



2, 5.504, 42.322

Inverse Universe

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



53, 28.605, 237.024



64, 38.639, 242.645



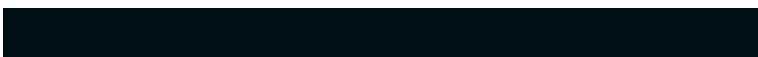
35, 55.314, 291.623



34, 2.914, 227.320



43, 30.692, 247.497



4, 5.383, 235.468

Previews

White Background



This preview shows how the CIELCh color 44, 48.746, 45.730 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 44, 48.746, 45.730 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 44, 48.746, 45.730

Background



This preview shows how black text looks on a background with the CIELCh color 44, 48.746, 45.730.



This preview shows how white text looks on a background with the CIELCh color 44, 48.746, 45.730.

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

44, 48.746, 45.730

Protanopia

44, 28.984, 96.551

Deuteranopia

44, 37.003, 81.612



Tritanopia
44, 42.352, 22.470

Trichromacy



Original Color
44, 48.746, 45.730

Protanomaly
44, 31.980, 69.855

Deuteranomaly
44, 38.994, 65.441

Tritanomaly
44, 43.581, 32.517

Monochromacy



Original Color
44, 48.746, 45.730

Achromatopsia
43, 0.006, 296.813

Achromatomaly
42, 16.455, 46.700

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 44, 48.746, 45.730 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(166, 78, 47)` looks like.

```
.text, #text, p{  
    color:rgb(166, 78, 47)  
}
```

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(166, 78, 47) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 78, 47) }
```

Border

The CSS property to change the border of an element to CIELCh 44, 48.746, 45.730 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(166, 78, 47) }
```

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

```
.border{ border-color:rgb(166, 78, 47) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 78, 47)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 78, 47); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 78, 47);  
box-shadow:4px 4px 4px 4px rgb(166, 78,  
47) }
```

Background

The CSS property to change the background color of an element to CIELCh 44, 48.746, 45.730 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 78, 47) }
```

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

```
.background{ background-color: rgb(166, 78,  
47) }
```

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