

Converting Colors

CIELCh(48, 78.882, 45.233)

Have a look what the booklet for
CIELCh(48, 78.882, 45.233) contains.

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Color

CIELCh(48, 78.905, 45.211)

Conversions

Conversions Part 1

Format	Color
Hex	D03E0E
RGB	208, 62, 14
RGB Percent	82%, 24%, 5%
CMY	0.1858, 0.7582, 0.9466
CMYK	0.00, 0.70, 0.93, 0.19
HSL	15°, 88%, 43%
HSV	15°, 93%, 81%
XYZ	27.6875, 16.7945, 2.1845
YIQ	100.1820, 102.4240, 16.0240

Conversions

Conversions Part 2

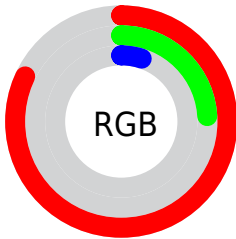
Format	Color
RYB	208, 78, 14
Decimal	13647374
CIELab	48.00, 55.59, 56.00
CIElCh	48, 78.905, 45.211
Yxy	16.7945, 0.5933, 0.3599
Android (android.graphics.Color)	4291837454 (0xFFD03E0E)
YUV	100.1820, -42.4877, 94.5564
Hunter-Lab	40.9810, 48.8810, 25.5262

Details

The CIELCh color **48, 78.905, 45.211** is a dark color, and the websafe version is hex **CC3300**. The color can be described as dark washed red. A complement of this color would be **61, 38.212, 243.214**, and the grayscale version is **42, 0.006, 296.813**.

A 20% lighter version of the original color is **65, 71.808, 46.914**, and **29, 67.930, 39.251** is the 20% darker color. If you saturate the color by 10%, you get **47, 83.409, 44.933**, and if you desaturate by 10%, it is **50, 70.491, 45.302**.

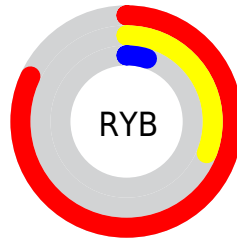
Distribution



Red (82%)

Green (24%)

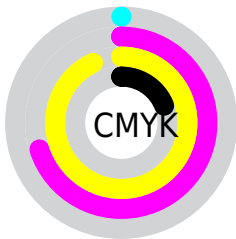
Blue (5%)



Red (82%)

Yellow (31%)

Blue (5%)

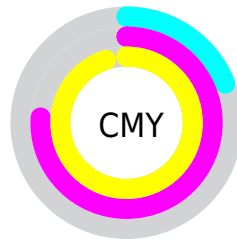


Cyan (0%)

Magenta (70%)

Yellow (93%)

Black (19%)



Cyan (19%)

Magenta (76%)

Yellow (95%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 48, 78.905, 45.211 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 48, 78.905, 45.211 by changing the saturation by 10% instead.

 48, 78.905, 45.211  48, 78.905, 45.211

 100, 78.905,
45.211  38, 78.905, 45.211

 68, 78.905, 45.211  28, 78.905, 45.211

 78, 78.905, 45.211  18, 78.905, 45.211

 88, 78.905, 45.211  8, 78.905, 45.211

 98, 78.905, 45.211  0, 78.905, 45.211

 48, 78.905, 45.211  48, 78.905, 45.211

 47, 83.409, 44.933  50, 70.491, 45.302

 53, 60.789, 44.908

- 57, 50.899, 44.475
- 60, 41.329, 44.174
- 64, 32.291, 44.047
- 69, 23.864, 44.086
- 73, 16.057, 44.264
- 77, 8.842, 44.538
- 82, 2.173, 44.737

Harmonies

Complementary

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



48, 78.905, 45.211



61, 38.212, 243.214

Rectangle

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



48, 78.905, 45.211



48, 78.905, 95.211



48, 78.905, 225.211



48, 78.905, 275.211

Sweetspot

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



48, 78.902, 45.213



85, 23.123, 44.162



47, 82.226, 339.500



43, 16.251, 44.095



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



48, 78.902, 45.213



57, 97.805, 44.599



67, 70.004, 83.019



42, 3.695, 44.657



38, 70.963, 45.360



6, 17.327, 33.504

Inverse Universe

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



61, 38.212, 243.214



73, 45.883, 246.776



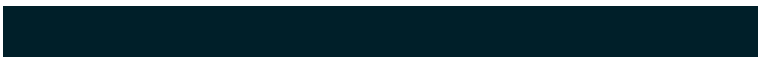
35, 86.826, 298.180



43, 3.496, 225.708



49, 33.369, 245.407



10, 12.297, 235.194

Previews

White Background



This preview shows how the CIELCh color 48, 78.905, 45.211 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 48, 78.905, 45.211 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 48, 78.905, 45.211

Background



This preview shows how black text looks on a background with the CIELCh color 48, 78.905, 45.211.



This preview shows how white text looks on a background with the CIELCh color 48, 78.905, 45.211.

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

48, 78.905, 45.211

Protanopia

48, 47.018, 95.500

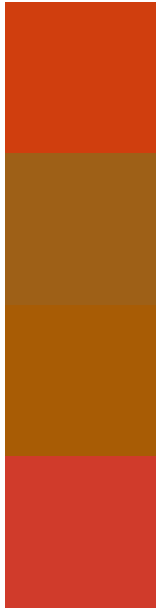
Deuteranopia

48, 55.165, 84.000



Tritanopia
48, 67.984, 30.358

Trichromacy



Original Color
48, 78.905, 45.211

Protanomaly
47, 52.243, 67.815

Deuteranomaly
47, 60.198, 64.386

Tritanomaly
48, 71.957, 37.181

Monochromacy



Original Color
48, 78.905, 45.211

Achromatopsia
42, 0.006, 296.813

Achromatomaly
42, 27.646, 43.649

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 78.905, 45.211 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(208, 62, 14)` looks like.

```
.text, #text, p{  
    color:rgb(208, 62, 14)  
}
```

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(208, 62, 14) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(208, 62, 14) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 78.905, 45.211 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(208, 62, 14) }
```

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

```
.border{ border-color:rgb(208, 62, 14) }
```

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

Here you see how a box with a 4 pixel rgb(208, 62, 14) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(208, 62, 14); -webkit-box-  
shadow:4px 4px 4px 4px rgb(208, 62, 14);  
box-shadow:4px 4px 4px 4px rgb(208, 62,  
14) }
```

Background

The CSS property to change the background color of an element to CIELCh 48, 78.905, 45.211 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(208, 62, 14) }
```

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

```
.background{ background-color: rgb(208, 62,  
14) }
```

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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