

Converting Colors

CIELCh(45, 74.348, 45.334)

Have a look what the booklet for
CIELCh(45, 74.348, 45.334) contains.

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Color

CIELCh(45, 74.581, 45.288)

Conversions

Conversions Part 1

Format	Color
Hex	C23A0D
RGB	194, 58, 13
RGB Percent	76%, 23%, 5%
CMY	0.2389, 0.7722, 0.9487
CMYK	0.00, 0.70, 0.93, 0.24
HSL	15°, 87%, 41%
HSV	15°, 93%, 76%
XYZ	23.8573, 14.5417, 1.9327
YIQ	93.5340, 95.5010, 14.8370

Conversions

Conversions Part 2

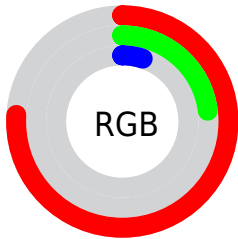
Format	Color
RYB	194, 73, 13
Decimal	12728845
CIELab	45.00, 52.47, 53.00
CIELCh	45, 74.581, 45.288
Yxy	14.5417, 0.5915, 0.3606
Android (android.graphics.Color)	4290918925 (0xFFC23A0D)
YUV	93.5340, -39.7033, 88.1087
Hunter-Lab	38.1336, 44.9403, 23.6886

Details

The CIELCh color **45, 74.581, 45.288** 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 **58, 36.281, 243.149**, and the grayscale version is **40, 0.006, 296.813**.

A 20% lighter version of the original color is **65, 73.373, 45.622**, and **26, 62.496, 38.565** is the 20% darker color. If you saturate the color by 10%, you get **44, 79.141, 45.097**, and if you desaturate by 10%, it is **47, 66.509, 45.345**.

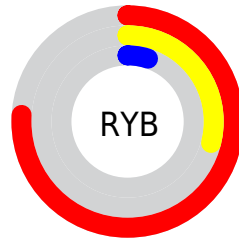
Distribution



Red (76%)

Green (23%)

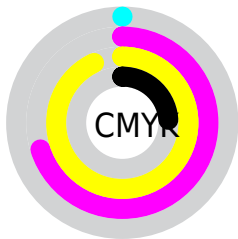
Blue (5%)



Red (76%)

Yellow (29%)

Blue (5%)

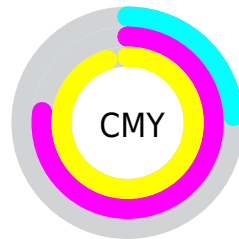


Cyan (0%)

Magenta (70%)

Yellow (93%)

Black (24%)



Cyan (24%)

Magenta (77%)

Yellow (95%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 45, 74.581, 45.288 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, 74.581, 45.288 by changing the saturation by 10% instead.

 45, 74.581, 45.288

 45, 74.581, 45.288

 100, 74.581,
45.288

 35, 74.581, 45.288

 65, 74.581, 45.288

 25, 74.581, 45.288

 75, 74.581, 45.288

 15, 74.581, 45.288

 85, 74.581, 45.288

 5, 74.581, 45.288

 95, 74.581, 45.288

 0, 74.581, 45.288

 45, 74.581, 45.288

 45, 74.581, 45.288

 44, 79.141, 45.097

 47, 66.509, 45.345

 50, 57.301, 44.954

■ 53, 47.950, 44.537

■ 57, 38.914, 44.252

■ 61, 30.385, 44.140

■ 65, 22.433, 44.191

■ 69, 15.063, 44.376

■ 73, 8.250, 44.656

■ 77, 1.950, 44.847

Harmonies

Complementary

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



45, 74.581, 45.288



58, 36.281, 243.149

Rectangle

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



45, 74.581, 45.288



45, 74.581, 95.288



45, 74.581, 225.288



45, 74.581, 275.288

Sweetspot

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



45, 74.578, 45.290



85, 22.924, 44.266



44, 78.126, 339.424



43, 16.244, 44.196



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



45, 74.578, 45.290



56, 97.000, 44.650



63, 66.419, 83.135



39, 3.468, 44.773



36, 68.444, 45.505



5, 12.133, 35.299

Inverse Universe

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



58, 36.281, 243.149



72, 45.580, 246.953



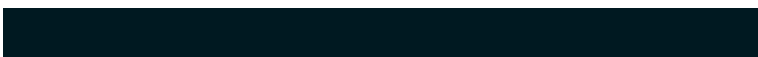
33, 82.006, 297.992



40, 3.284, 225.826



47, 32.246, 245.420



7, 10.355, 236.377

Previews

White Background



This preview shows how the CIELCh color 45, 74.581, 45.288 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, 74.581, 45.288 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, 74.581, 45.288

Background



This preview shows how black text looks on a background with the CIELCh color 45, 74.581, 45.288.



This preview shows how white text looks on a background with the CIELCh color 45, 74.581, 45.288.

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, 74.581, 45.288

Protanopia

45, 44.841, 95.646

Deuteranopia

45, 52.467, 84.481



Tritanopia
45, 64.020, 29.741

Trichromacy



Original Color
45, 74.581, 45.288

Protanomaly
44, 49.741, 68.065

Deuteranomaly
44, 56.732, 64.860

Tritanomaly
45, 68.121, 36.763

Monochromacy



Original Color
45, 74.581, 45.288

Achromatopsia
40, 0.006, 296.813

Achromatomaly
40, 25.875, 43.945

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 74.581, 45.288 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(194, 58, 13)` looks like.

```
.text, #text, p{  
    color:rgb(194, 58, 13)  
}
```

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(194, 58, 13) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(194, 58, 13) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 74.581, 45.288 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(194, 58, 13) }
```

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

```
.border{ border-color:rgb(194, 58, 13) }
```

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

Here you see how a box with a 4 pixel `rgb(194, 58, 13)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(194, 58, 13); -webkit-box-  
shadow:4px 4px 4px 4px rgb(194, 58, 13);  
box-shadow:4px 4px 4px 4px rgb(194, 58,  
13) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 74.581, 45.288 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(194, 58, 13) }
```

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

```
.background{ background-color: rgb(194, 58,  
13) }
```

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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