

Converting Colors

CIELCh(45, 76.717, 41.763)

Have a look what the booklet for
CIELCh(45, 76.717, 41.763) contains.

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Color

CIELCh(45, 76.518, 41.771)

Conversions

Conversions Part 1

Format	Color
Hex	C73214
RGB	199, 50, 20
RGB Percent	78%, 20%, 8%
CMY	0.2184, 0.8027, 0.9206
CMYK	0.00, 0.75, 0.90, 0.22
HSL	10°, 82%, 43%
HSV	10°, 90%, 78%
XYZ	24.9158, 14.5417, 2.1670
YIQ	91.1310, 98.4340, 22.2580

Conversions

Conversions Part 2

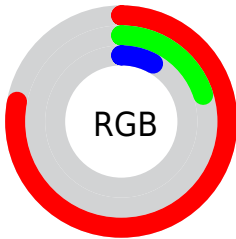
Format	Color
R_{YB}	199, 56, 20
Decimal	13054484
CIE Lab	45.00, 57.07, 50.97
CIE LCh	45, 76.518, 41.771
Yxy	14.5417, 0.5986, 0.3494
Android (android.graphics.Color)	4291244564 (0xFFC73214)
YUV	91.1310, -35.0676, 94.6011
Hunter-Lab	38.1336, 49.8949, 23.3243

Details

The CIELCh color **45, 76.518, 41.771** 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 **64, 35.539, 225.612**, and the grayscale version is **39, 0.006, 296.813**.

A 20% lighter version of the original color is **64, 73.036, 42.018**, and **27, 64.464, 38.843** is the 20% darker color. If you saturate the color by 10%, you get **43, 83.501, 42.463**, and if you desaturate by 10%, it is **47, 67.560, 40.579**.

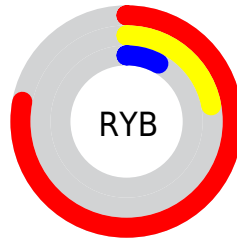
Distribution



Red (78%)

Green (20%)

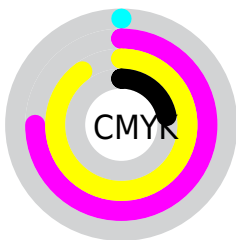
Blue (8%)



Red (78%)

Yellow (22%)

Blue (8%)

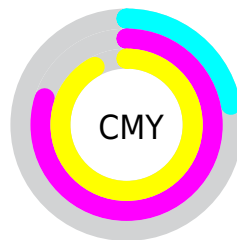


Cyan (0%)

Magenta (75%)

Yellow (90%)

Black (22%)



Cyan (22%)

Magenta (80%)

Yellow (92%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 45, 76.518, 41.771 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, 76.518, 41.771 by changing the saturation by 10% instead.

■ 45, 76.518, 41.771

■ 45, 76.518, 41.771

■ 100, 76.518,
41.771

■ 35, 76.518, 41.771

■ 65, 76.518, 41.771

■ 25, 76.518, 41.771

■ 75, 76.518, 41.771

■ 15, 76.518, 41.771

■ 85, 76.518, 41.771

■ 5, 76.518, 41.771

■ 95, 76.518, 41.771

■ 0, 76.518, 41.771

■ 45, 76.518, 41.771

■ 45, 76.518, 41.771

■ 43, 83.501, 42.463

■ 47, 67.560, 40.579

■ 43, 83.610, 42.484

■ 50, 57.752, 39.214

- 54, 47.929, 38.025
- 58, 38.469, 37.111
- 62, 29.546, 36.466
- 66, 21.232, 36.052
- 71, 13.539, 35.818
- 76, 6.442, 35.701
- 80, 0.102, 221.207

Harmonies

Complementary

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



45, 76.518, 41.771



64, 35.539, 225.612

Rectangle

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



45, 76.518, 41.771



45, 76.518, 91.771



45, 76.518, 221.771



45, 76.518, 271.771

Sweetspot

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



45, 76.515, 41.773



85, 23.226, 35.980



46, 83.049, 335.387



43, 15.879, 36.085



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, 76.515, 41.773



55, 101.090, 42.189



62, 65.553, 77.879



39, 3.699, 35.696



35, 71.710, 42.750



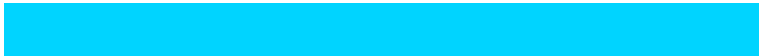
5, 14.395, 29.068

Inverse Universe

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



64, 35.539, 225.612



79, 43.558, 229.269



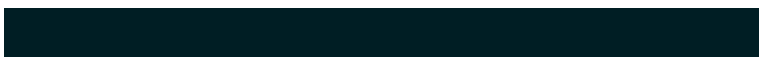
38, 72.716, 293.228



41, 3.486, 216.036



52, 31.181, 228.204



9, 11.296, 220.599

Previews

White Background



This preview shows how the CIELCh color 45, 76.518, 41.771 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, 76.518, 41.771 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, 76.518, 41.771

Background



This preview shows how black text looks on a background with the CIELCh color 45, 76.518, 41.771.



This preview shows how white text looks on a background with the CIELCh color 45, 76.518, 41.771.

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, 76.518, 41.771

Protanopia

45, 41.505, 96.179

Deuteranopia

45, 52.648, 83.976



Tritanopia
45, 69.576, 31.800

Trichromacy



Original Color
45, 76.518, 41.771

Protanomaly
43, 47.380, 63.652

Deuteranomaly
44, 57.658, 61.954

Tritanomaly
45, 72.120, 35.828

Monochromacy



Original Color
45, 76.518, 41.771

Achromatopsia
39, 0.005, 296.813

Achromatomaly
38, 27.043, 37.109

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 76.518, 41.771 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(199, 50, 20)` looks like.

```
.text, #text, p{  
    color:rgb(199, 50, 20)  
}
```

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(199, 50, 20) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 50, 20) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 76.518, 41.771 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(199, 50, 20) }
```

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

```
.border{ border-color:rgb(199, 50, 20) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 50, 20)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 50, 20); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 50, 20);  
box-shadow:4px 4px 4px 4px rgb(199, 50,  
20) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 76.518, 41.771 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 50, 20) }
```

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

```
.background{ background-color: rgb(199, 50,  
20) }
```

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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