

Converting Colors

CIELCh(50, 84.034, 45.342)

Have a look what the booklet for
CIELCh(50, 84.034, 45.342) contains.

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Color

CIELCh(50, 84.200, 45.447)

Conversions

Conversions Part 1

Format	Color
Hex	DB3E07
RGB	219, 62, 7
RGB Percent	86%, 24%, 3%
CMY	0.1427, 0.7583, 0.9743
CMYK	0.00, 0.72, 0.97, 0.14
HSL	16°, 94%, 44%
HSV	16°, 97%, 86%
XYZ	30.8331, 18.4187, 2.1185
YIQ	102.6730, 111.2270, 16.1790

Conversions

Conversions Part 2

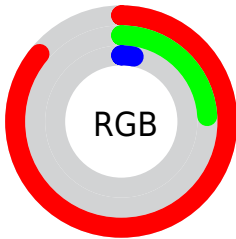
Format	Color
RYB	219, 81, 7
Decimal	14368263
CIELab	50.00, 59.07, 60.00
CIElCh	50, 84.200, 45.447
Yxy	18.4187, 0.6002, 0.3585
Android (android.graphics.Color)	4292558343 (0xFFDB3E07)
YUV	102.6730, -47.1668, 102.0188
Hunter-Lab	42.9170, 53.1360, 27.1152

Details

The CIELCh color **50, 84.200, 45.447** 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 **63, 40.822, 247.440**, and the grayscale version is **43, 0.006, 296.813**.

A 20% lighter version of the original color is **66, 72.589, 48.122**, and **32, 71.668, 39.584** is the 20% darker color. If you saturate the color by 10%, you get **49, 86.287, 45.312**, and if you desaturate by 10%, it is **52, 76.407, 46.026**.

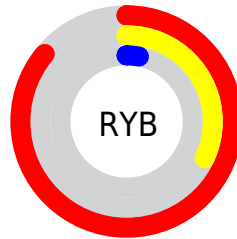
Distribution



Red (86%)

Green (24%)

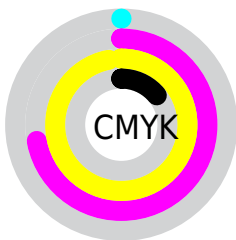
Blue (3%)



Red (86%)

Yellow (32%)

Blue (3%)

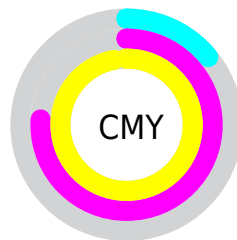


Cyan (0%)

Magenta (72%)

Yellow (97%)

Black (14%)



Cyan (14%)

Magenta (76%)

Yellow (97%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 50, 84.200, 45.447 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 50, 84.200, 45.447 by changing the saturation by 10% instead.

■ 50, 84.200, 45.447

■ 50, 84.200, 45.447

■ 100, 84.200,
45.447

■ 40, 84.200, 45.447

■ 70, 84.200, 45.447

■ 30, 84.200, 45.447

■ 80, 84.200, 45.447

■ 20, 84.200, 45.447

■ 90, 84.200, 45.447

■ 10, 84.200, 45.447

■ 0, 84.200, 45.447

■ 50, 84.200, 45.447

■ 50, 84.200, 45.447

■ 49, 86.287, 45.312

■ 52, 76.407, 46.026

■ 55, 66.686, 45.889

■ 59, 56.427, 45.568

62, 46.351, 45.319

66, 36.769, 45.222

71, 27.801, 45.287

75, 19.477, 45.492

79, 11.778, 45.804

84, 4.660, 46.153

Harmonies

Complementary

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



50, 84.200, 45.447



63, 40.822, 247.440

Rectangle

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



50, 84.200, 45.447



50, 84.200, 95.447



50, 84.200, 225.447



50, 84.200, 275.447

Sweetspot

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



50, 84.197, 45.449



85, 23.924, 45.435



49, 84.690, 341.096



43, 16.707, 45.343



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



50, 84.197, 45.449



57, 97.234, 45.059



71, 73.973, 83.739



44, 3.827, 46.075



39, 72.175, 45.780



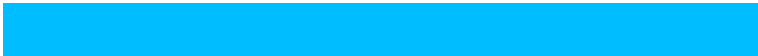
8, 20.190, 35.425

Inverse Universe

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



63, 40.822, 247.440



72, 46.570, 249.296



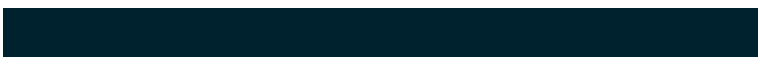
35, 96.282, 300.112



45, 3.624, 227.236



50, 34.605, 248.009



12, 13.325, 238.625

Previews

White Background



This preview shows how the CIELCh color 50, 84.200, 45.447 looks on a white 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

Black Background



This preview shows how the CIELCh color 50, 84.200, 45.447 looks on a black 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

If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 50, 84.200, 45.447

Background



This preview shows how black text looks on a background with the CIELCh color 50, 84.200, 45.447.



This preview shows how white text looks on a background with the CIELCh color 50, 84.200, 45.447.

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

50, 84.200, 45.447

Protanopia

50, 50.117, 95.290

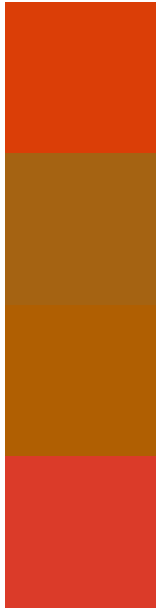
Deuteranopia

50, 56.869, 84.212



Tritanopia
50, 72.339, 30.981

Trichromacy



Original Color
50, 84.200, 45.447

Protanomaly
48, 55.877, 67.893

Deuteranomaly
49, 63.175, 63.902

Tritanomaly
50, 76.890, 37.854

Monochromacy



Original Color
50, 84.200, 45.447

Achromatopsia
43, 0.006, 296.813

Achromatomaly
43, 30.347, 45.245

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 84.200, 45.447 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(219, 62, 7)` looks like.

```
.text, #text, p{  
    color:rgb(219, 62, 7)  
}
```

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(219, 62, 7) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 62, 7) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 84.200, 45.447 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(219, 62, 7) }
```

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

```
.border{ border-color:rgb(219, 62, 7) }
```

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

Here you see how a box with a 4 pixel rgb(219, 62, 7) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 62, 7); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 62, 7);  
box-shadow:4px 4px 4px 4px rgb(219, 62, 7)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 50, 84.200, 45.447 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 62, 7) }
```

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

```
.background{ background-color: rgb(219, 62,  
7) }
```

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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