

Converting Colors

CIELCh(48, 85.346, 44.967)

Have a look what the booklet for
CIELCh(48, 85.346, 44.967) contains.

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Color

CIELCh(48, 85.381, 44.879)

Conversions

Conversions Part 1

Format	Color
Hex	D63500
RGB	214, 53, 0
RGB Percent	84%, 21%, 0%
CMY	0.1616, 0.7929, 1.0000
CMYK	0.00, 0.75, 1.00, 0.16
HSL	15°, 100%, 42%
HSV	15°, 100%, 84%
XYZ	28.9369, 16.7945, 1.7114
YIQ	95.0970, 112.9690, 17.6490

Conversions

Conversions Part 2

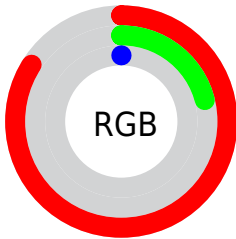
Format	Color
RYB	214, 70, 0
Decimal	14038272
CIELab	48.00, 60.50, 60.25
CIElCh	48, 85.381, 44.879
Yxy	16.7945, 0.6099, 0.3540
Android (android.graphics.Color)	4292228352 (0xFFD63500)
YUV	95.0970, -46.8828, 104.2779
Hunter-Lab	40.9810, 54.3231, 26.2107

Details

The CIELCh color **48, 85.381, 44.879** 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 **62, 40.029, 246.129**, and the grayscale version is **40, 0.006, 296.813**.

A 20% lighter version of the original color is **64, 75.621, 46.539**, and **30, 69.440, 39.398** is the 20% darker color. If you saturate the color by 10%, you get **48, 85.345, 44.857**, and if you desaturate by 10%, it is **50, 78.116, 45.307**.

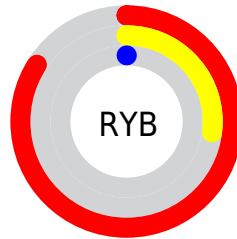
Distribution



Red (84%)

Green (21%)

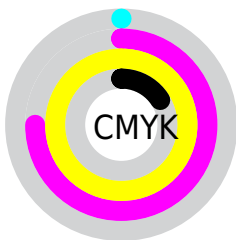
Blue (0%)



Red (84%)

Yellow (27%)

Blue (0%)

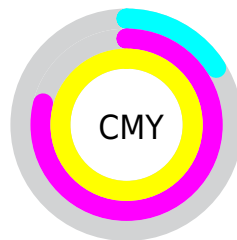


Cyan (0%)

Magenta (75%)

Yellow (100%)

Black (16%)



Cyan (16%)

Magenta (79%)

Yellow (100%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 48, 85.381, 44.879 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, 85.381, 44.879 by changing the saturation by 10% instead.

 48, 85.381, 44.879

 48, 85.381, 44.879

 100, 85.381,
44.879

 38, 85.381, 44.879

 68, 85.381, 44.879

 28, 85.381, 44.879

 78, 85.381, 44.879

 18, 85.381, 44.879

 88, 85.381, 44.879

 8, 85.381, 44.879

 98, 85.381, 44.879

 0, 85.381, 44.879

 48, 85.381, 44.879

 48, 85.381, 44.879

 48, 85.345, 44.857

 50, 78.116, 45.307

 53, 68.889, 45.158

■ 56, 58.800, 44.712

■ 60, 48.740, 44.305

■ 63, 39.102, 44.055

■ 68, 30.049, 43.982

■ 72, 21.632, 44.068

■ 76, 13.843, 44.280

■ 81, 6.649, 44.569

Harmonies

Complementary

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



48, 85.381, 44.879



62, 40.029, 246.129

Rectangle

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



48, 85.381, 44.879



48, 85.381, 94.879



48, 85.381, 224.879



48, 85.381, 274.879

Sweetspot

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



48, 85.345, 44.857



84, 24.987, 44.063



48, 84.422, 340.403



43, 17.348, 44.011



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, 85.345, 44.857



57, 97.834, 44.576



68, 72.994, 81.647



43, 3.770, 44.585



38, 71.808, 45.302



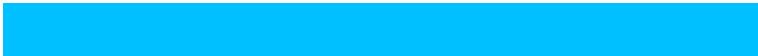
7, 18.900, 33.785

Inverse Universe

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



62, 40.029, 246.129



73, 45.851, 246.647



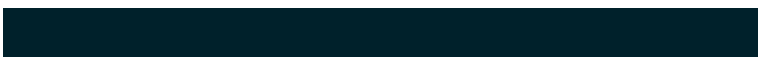
34, 95.367, 300.208



44, 3.567, 225.632



50, 33.730, 245.338



11, 12.769, 235.746

Previews

White Background



This preview shows how the CIELCh color 48, 85.381, 44.879 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, 85.381, 44.879 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, 85.381, 44.879

Background



This preview shows how black text looks on a background with the CIELCh color 48, 85.381, 44.879.



This preview shows how white text looks on a background with the CIELCh color 48, 85.381, 44.879.

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, 85.381, 44.879

Protanopia

48, 48.088, 95.529

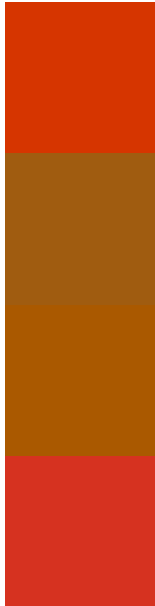
Deuteranopia

48, 55.165, 84.000



Tritanopia
48, 74.399, 32.571

Trichromacy



Original Color
48, 85.381, 44.879

Protanomaly
46, 55.109, 65.675

Deuteranomaly
47, 62.279, 62.813

Tritanomaly
48, 79.148, 38.574

Monochromacy



Original Color
48, 85.381, 44.879

Achromatopsia
40, 0.006, 296.813

Achromatomaly
40, 31.359, 44.980

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 85.381, 44.879 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(214, 53, 0)` looks like.

```
.text, #text, p{  
    color:rgb(214, 53, 0)  
}
```

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(214, 53, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 53, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 85.381, 44.879 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(214, 53, 0) }
```

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

```
.border{ border-color:rgb(214, 53, 0) }
```

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

Here you see how a box with a 4 pixel rgb(214, 53, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(214, 53, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(214, 53, 0);  
box-shadow:4px 4px 4px 4px rgb(214, 53, 0)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 48, 85.381, 44.879 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(214, 53, 0) }
```

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

```
.background{ background-color: rgb(214, 53,  
0) }
```

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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