

Converting Colors

CIELCh(48, 82.339, 46.367)

Have a look what the booklet for
CIELCh(48, 82.339, 46.367) contains.

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Color

CIELCh(48, 82.188, 46.556)

Conversions

Conversions Part 1

Format	Color
Hex	D13C00
RGB	209, 60, 0
RGB Percent	82%, 24%, 0%
CMY	0.1803, 0.7646, 0.9999
CMYK	0.00, 0.71, 1.00, 0.18
HSL	17°, 100%, 41%
HSV	17°, 100%, 82%
XYZ	27.9207, 16.7945, 1.7709
YIQ	97.7110, 108.0640, 12.9280

Conversions

Conversions Part 2

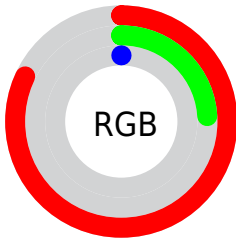
Format	Color
R_{YB}	209, 84, 0
Decimal	13712384
CIE Lab	48.00, 56.52, 59.67
CIE LCh	48, 82.188, 46.556
Yxy	16.7945, 0.6006, 0.3613
Android (android.graphics.Color)	4291902464 (0xFFD13C00)
YUV	97.7110, -48.1715, 97.6005
Hunter-Lab	40.9810, 49.8966, 26.1247

Details

The CIELCh color **48, 82.188, 46.556** 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, 41.471, 254.122**, and the grayscale version is **42, 0.006, 296.813**.

A 20% lighter version of the original color is **65, 74.706, 48.306**, and **29, 67.930, 39.251** is the 20% darker color. If you saturate the color by 10%, you get **48, 82.195, 46.557**, and if you desaturate by 10%, it is **50, 75.144, 47.458**.

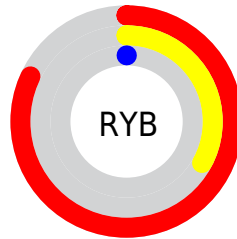
Distribution



Red (82%)

Green (24%)

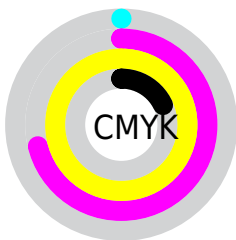
Blue (0%)



Red (82%)

Yellow (33%)

Blue (0%)

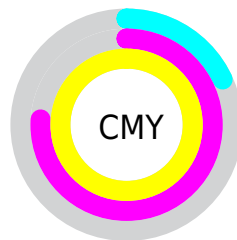


Cyan (0%)

Magenta (71%)

Yellow (100%)

Black (18%)



Cyan (18%)

Magenta (76%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 48, 82.188, 46.556 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, 82.188, 46.556 by changing the saturation by 10% instead.

48, 82.188, 46.556

48, 82.188, 46.556

100, 82.188,
46.556

38, 82.188, 46.556

68, 82.188, 46.556

28, 82.188, 46.556

78, 82.188, 46.556

18, 82.188, 46.556

88, 82.188, 46.556

8, 82.188, 46.556

98, 82.188, 46.556

0, 82.188, 46.556

48, 82.188, 46.556

48, 82.188, 46.556

48, 82.195, 46.557

50, 75.144, 47.458

53, 66.286, 47.780

■ 56, 56.605, 47.767

■ 59, 46.949, 47.741

■ 63, 37.697, 47.819

■ 67, 29.000, 48.031

■ 71, 20.902, 48.367

■ 75, 13.394, 48.803

■ 80, 6.438, 49.292

Harmonies

Complementary

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



48, 82.188, 46.556



58, 41.471, 254.122

Rectangle

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



48, 82.188, 46.556



48, 82.188, 96.556



48, 82.188, 226.556



48, 82.188, 276.556

Sweetspot

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



48, 82.185, 46.558



85, 24.608, 48.353



47, 80.198, 343.838



43, 17.075, 48.198



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, 82.185, 46.558



58, 95.895, 46.196



69, 72.980, 86.255



42, 3.651, 49.320



39, 69.557, 47.049



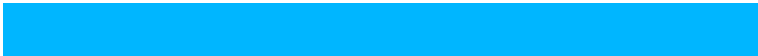
7, 16.972, 36.304

Inverse Universe

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



58, 41.471, 254.122



70, 48.424, 254.762



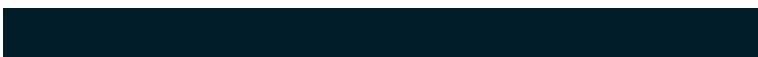
31, 99.604, 302.095



42, 3.467, 230.706



47, 35.071, 253.294



9, 12.562, 242.019

Previews

White Background



This preview shows how the CIELCh color 48, 82.188, 46.556 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, 82.188, 46.556 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, 82.188, 46.556

Background



This preview shows how black text looks on a background with the CIELCh color 48, 82.188, 46.556.



This preview shows how white text looks on a background with the CIELCh color 48, 82.188, 46.556.

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, 82.188, 46.556

Protanopia

48, 48.760, 95.545

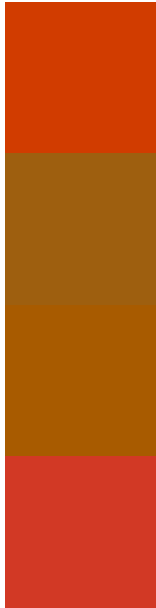
Deuteranopia

48, 55.165, 84.000



Tritanopia
48, 69.327, 30.759

Trichromacy



Original Color
48, 82.188, 46.556

Protanomaly
46, 54.563, 68.392

Deuteranomaly
47, 61.362, 64.413

Tritanomaly
48, 74.873, 38.629

Monochromacy



Original Color
48, 82.188, 46.556

Achromatopsia
42, 0.006, 296.813

Achromatomaly
41, 29.958, 47.998

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 82.188, 46.556 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(209, 60, 0)` looks like.

```
.text, #text, p{  
    color:rgb(209, 60, 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(209, 60, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 60, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 82.188, 46.556 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(209, 60, 0) }
```

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

```
.border{ border-color:rgb(209, 60, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(209, 60, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 60, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 60, 0);  
box-shadow:4px 4px 4px 4px rgb(209, 60, 0)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 48, 82.188, 46.556 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 60, 0) }
```

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

```
.background{ background-color: rgb(209, 60,  
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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