

Converting Colors

CIELCh(50, 82.443, 45.938)

Have a look what the booklet for
CIELCh(50, 82.443, 45.938) contains.

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Color

CIELCh(50, 82.166, 46.051)

Conversions

Conversions Part 1

Format	Color
Hex	D84109
RGB	216, 65, 9
RGB Percent	85%, 25%, 4%
CMY	0.1526, 0.7448, 0.9644
CMYK	0.00, 0.70, 0.96, 0.15
HSL	16°, 92%, 44%
HSV	16°, 96%, 85%
XYZ	30.2851, 18.4187, 2.2199
YIQ	103.7650, 107.9720, 14.5960

Conversions

Conversions Part 2

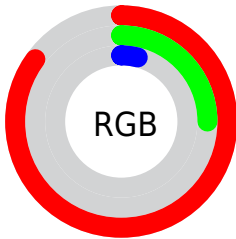
Format	Color
RYB	216, 86, 9
Decimal	14172425
CIELab	50.00, 57.02, 59.16
CIELCh	50, 82.166, 46.051
Yxy	18.4187, 0.5947, 0.3617
Android (android.graphics.Color)	4292362505 (0xFFD84109)
YUV	103.7650, -46.7191, 98.4301
Hunter-Lab	42.9170, 50.8569, 26.9751

Details

The CIELCh color **50, 82.166, 46.051** 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, 40.762, 248.972**, and the grayscale version is **44, 0.006, 296.813**.

A 20% lighter version of the original color is **66, 71.921, 48.623**, and **31, 70.559, 39.496** is the 20% darker color. If you saturate the color by 10%, you get **49, 85.056, 45.771**, and if you desaturate by 10%, it is **52, 74.192, 46.659**.

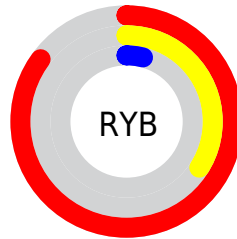
Distribution



Red (85%)

Green (25%)

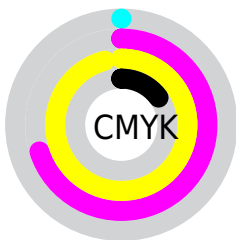
Blue (4%)



Red (85%)

Yellow (34%)

Blue (4%)

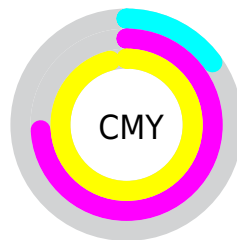


Cyan (0%)

Magenta (70%)

Yellow (96%)

Black (15%)



Cyan (15%)

Magenta (74%)

Yellow (96%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 50, 82.166, 46.051 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, 82.166, 46.051 by changing the saturation by 10% instead.

50, 82.166, 46.051

50, 82.166, 46.051

100, 82.166,
46.051

40, 82.166, 46.051

70, 82.166, 46.051

30, 82.166, 46.051

80, 82.166, 46.051

20, 82.166, 46.051

90, 82.166, 46.051

10, 82.166, 46.051

0, 82.166, 46.051

50, 82.166, 46.051

50, 82.166, 46.051

49, 85.056, 45.771

52, 74.192, 46.659

55, 64.496, 46.600

59, 54.390, 46.390

62, 44.517, 46.253

66, 35.151, 46.260

71, 26.395, 46.415

75, 18.269, 46.699

79, 10.749, 47.079

84, 3.791, 47.467

Harmonies

Complementary

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



50, 82.166, 46.051



62, 40.762, 248.972

Rectangle

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



50, 82.166, 46.051



50, 82.166, 96.051



50, 82.166, 226.051



50, 82.166, 276.051

Sweetspot

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



50, 82.163, 46.053



85, 23.826, 46.588



49, 82.956, 342.003



43, 16.635, 46.468



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, 82.163, 46.053



58, 96.717, 45.489



71, 73.544, 85.462



43, 3.741, 47.342



39, 70.973, 46.268



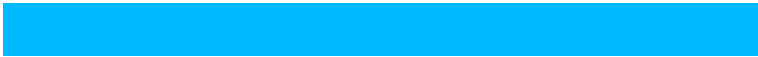
7, 18.647, 35.474

Inverse Universe

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



62, 40.762, 248.972



71, 47.248, 251.478



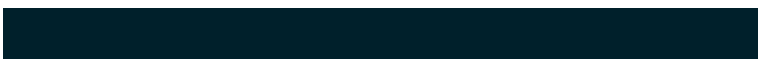
34, 96.245, 300.434



44, 3.546, 228.592



49, 34.676, 250.106



10, 12.922, 239.878

Previews

White Background



This preview shows how the CIELCh color 50, 82.166, 46.051 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, 82.166, 46.051 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, 82.166, 46.051

Background



This preview shows how black text looks on a background with the CIELCh color 50, 82.166, 46.051.



This preview shows how white text looks on a background with the CIELCh color 50, 82.166, 46.051.

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, 82.166, 46.051

Protanopia

50, 49.784, 95.281

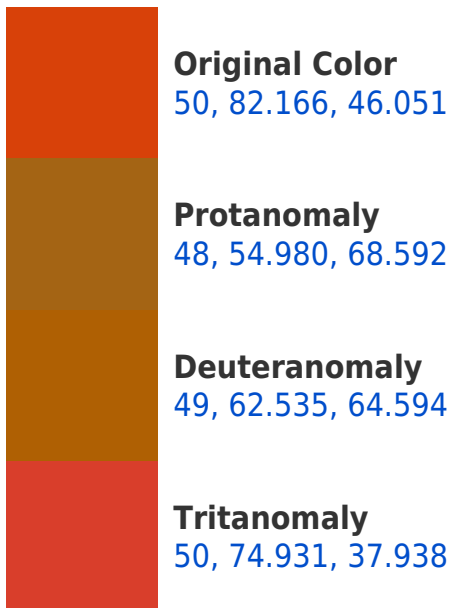
Deuteranopia

50, 56.869, 84.212



Tritanopia
50, 69.749, 30.319

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 82.166, 46.051 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(216, 65, 9)` looks like.

```
.text, #text, p{  
    color:rgb(216, 65, 9)  
}
```

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(216, 65, 9) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 65, 9) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 82.166, 46.051 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(216, 65, 9) }
```

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

```
.border{ border-color:rgb(216, 65, 9) }
```

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

Here you see how a box with a 4 pixel rgb(216, 65, 9) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 65, 9); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 65, 9);  
box-shadow:4px 4px 4px 4px rgb(216, 65, 9)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 50, 82.166, 46.051 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 65, 9) }
```

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

```
.background{ background-color: rgb(216, 65,  
9) }
```

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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