

Converting Colors

CIELCh(48, 87.143, 42.606)

Have a look what the booklet for
CIELCh(48, 87.143, 42.606) contains.

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Color

CIELCh(48, 87.163, 42.630)

Conversions

Conversions Part 1

Format	Color
Hex	DA2D06
RGB	218, 45, 6
RGB Percent	85%, 18%, 2%
CMY	0.1451, 0.8235, 0.9765
CMYK	0.00, 0.79, 0.97, 0.15
HSL	11°, 95%, 44%
HSV	11°, 97%, 85%
XYZ	29.8836, 16.7945, 1.8388
YIQ	92.2810, 115.6270, 24.5470

Conversions

Conversions Part 2

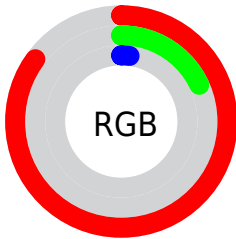
Format	Color
R _Y B	218, 54, 6
Decimal	14298374
CIE Lab	48.00, 64.13, 59.03
CIE LCh	48, 87.163, 42.630
Yxy	16.7945, 0.6159, 0.3462
Android (android.graphics.Color)	4292488454 (0xFFDA2D06)
YUV	92.2810, -42.5365, 110.2556
Hunter-Lab	40.9810, 58.4464, 26.0264

Details

The CIELCh color **48, 87.163, 42.630** 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 **68, 38.619, 231.539**, and the grayscale version is **39, 0.006, 296.813**.

A 20% lighter version of the original color is **63, 75.670, 44.043**, and **31, 70.930, 39.526** is the 20% darker color. If you saturate the color by 10%, you get **48, 89.039, 42.785**, and if you desaturate by 10%, it is **50, 79.372, 42.258**.

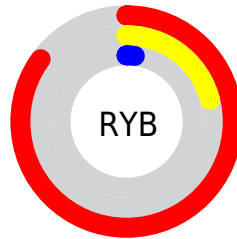
Distribution



Red (85%)

Green (18%)

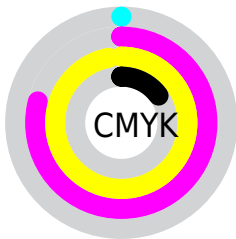
Blue (2%)



Red (85%)

Yellow (21%)

Blue (2%)

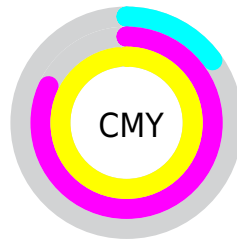


Cyan (0%)

Magenta (79%)

Yellow (97%)

Black (15%)



Cyan (15%)

Magenta (82%)

Yellow (98%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 48, 87.163, 42.630 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, 87.163, 42.630 by changing the saturation by 10% instead.

 48, 87.163, 42.630

 48, 87.163, 42.630

 100, 87.163,
42.630

 38, 87.163, 42.630

 68, 87.163, 42.630

 28, 87.163, 42.630

 78, 87.163, 42.630

 18, 87.163, 42.630

 88, 87.163, 42.630

 8, 87.163, 42.630

 98, 87.163, 42.630

 0, 87.163, 42.630

 48, 87.163, 42.630

 48, 87.163, 42.630

 48, 89.039, 42.785

 50, 79.372, 42.258

 53, 69.441, 41.182

■ 56, 58.877, 40.018

■ 60, 48.440, 39.040

■ 64, 38.469, 38.320

■ 69, 29.113, 37.845

■ 74, 20.424, 37.577

■ 78, 12.397, 37.466

■ 83, 4.998, 37.435

Harmonies

Complementary

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



48, 87.163, 42.630



68, 38.619, 231.539

Rectangle

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



48, 87.163, 42.630



48, 87.163, 92.630



48, 87.163, 222.630



48, 87.163, 272.630

Sweetspot

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



48, 87.160, 42.632



84, 24.894, 37.616



50, 88.704, 337.006



42, 17.393, 37.724



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, 87.160, 42.632



55, 100.502, 42.593



67, 72.705, 77.540



43, 3.969, 37.445



38, 74.692, 43.137



7, 21.139, 30.337

Inverse Universe

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



68, 38.619, 231.539



78, 43.714, 232.869



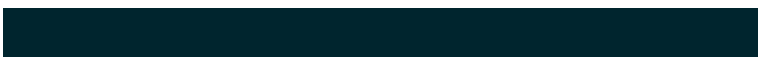
38, 87.559, 297.003



45, 3.740, 217.930



54, 32.694, 231.886



13, 13.107, 225.016

Previews

White Background



This preview shows how the CIELCh color 48, 87.163, 42.630 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, 87.163, 42.630 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, 87.163, 42.630

Background



This preview shows how black text looks on a background with the CIELCh color 48, 87.163, 42.630.



This preview shows how white text looks on a background with the CIELCh color 48, 87.163, 42.630.

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, 87.163, 42.630

Protanopia

48, 47.383, 95.510

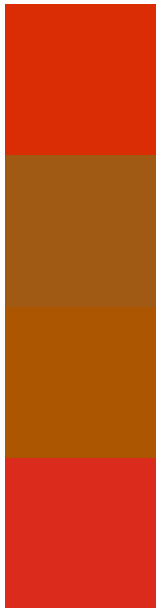
Deuteranopia

48, 55.165, 84.000



Tritanopia
48, 79.310, 34.280

Trichromacy



Original Color
48, 87.163, 42.630

Protanomaly
46, 54.777, 63.631

Deuteranomaly
46, 62.960, 60.559

Tritanomaly
48, 82.648, 38.182

Monochromacy



Original Color
48, 87.163, 42.630

Achromatopsia
39, 0.006, 296.813

Achromatomaly
39, 32.164, 38.593

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 87.163, 42.630 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(218, 45, 6)` looks like.

```
.text, #text, p{  
    color:rgb(218, 45, 6)  
}
```

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(218, 45, 6) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 45, 6) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 87.163, 42.630 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(218, 45, 6) }
```

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

```
.border{ border-color:rgb(218, 45, 6) }
```

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

Here you see how a box with a 4 pixel `rgb(218, 45, 6)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(218, 45, 6); -webkit-box-  
shadow:4px 4px 4px 4px rgb(218, 45, 6);  
box-shadow:4px 4px 4px 4px rgb(218, 45, 6)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 48, 87.163, 42.630 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 45, 6) }
```

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

```
.background{ background-color: rgb(218, 45,  
6) }
```

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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