

Converting Colors

CIELCh(48, 71.162, 35.082)

Have a look what the booklet for
CIELCh(48, 71.162, 35.082) contains.

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Color

CIELCh(48, 71.154, 35.157)

Conversions

Conversions Part 1

Format	Color
Hex	D13A30
RGB	209, 58, 48
RGB Percent	82%, 23%, 19%
CMY	0.1804, 0.7725, 0.8118
CMYK	0.00, 0.72, 0.77, 0.18
HSL	4°, 64%, 50%
HSV	4°, 77%, 82%
XYZ	28.3405, 16.7945, 4.5440
YIQ	102.0090, 93.2060, 28.9020

Conversions

Conversions Part 2

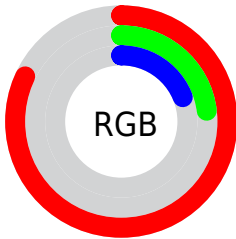
Format	Color
R _Y B	209, 59, 48
Decimal	13711920
CIE Lab	48.00, 58.17, 40.97
CIE LCh	48, 71.154, 35.157
Yxy	16.7945, 0.5705, 0.3381
Android (android.graphics.Color)	4291902000 (0xFFD13A30)
YUV	102.0090, -26.6264, 93.8311
Hunter-Lab	40.9810, 51.7253, 22.1126

Details

The CIELCh color **48, 71.154, 35.157** is a dark color, and the websafe version is hex **CC3333**. The color can be described as dark muted red. A complement of this color would be **74, 37.800, 205.101**, and the grayscale version is **43, 0.006, 296.813**.

A 20% lighter version of the original color is **65, 63.840, 35.547**, and **30, 67.825, 38.746** is the 20% darker color. If you saturate the color by 10%, you get **46, 80.507, 37.876**, and if you desaturate by 10%, it is **51, 60.905, 32.561**.

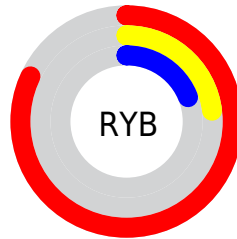
Distribution



Red (82%)

Green (23%)

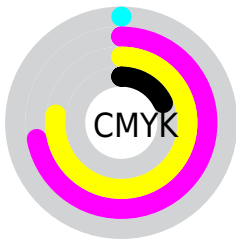
Blue (19%)



Red (82%)

Yellow (23%)

Blue (19%)

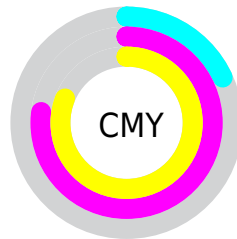


Cyan (0%)

Magenta (72%)

Yellow (77%)

Black (18%)



Cyan (18%)


Magenta (77%)


Yellow (81%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 48, 71.154, 35.157 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, 71.154, 35.157 by changing the saturation by 10% instead.


 48, 71.154, 35.157


 48, 71.154, 35.157

 100, 71.154,
35.157


 38, 71.154, 35.157

 68, 71.154, 35.157


 28, 71.154, 35.157

 78, 71.154, 35.157


 18, 71.154, 35.157


 88, 71.154, 35.157

 8, 71.154, 35.157

 98, 71.154, 35.157

 0, 71.154, 35.157

 48, 71.154, 35.157

 48, 71.154, 35.157

 46, 80.507, 37.876

 51, 60.905, 32.561

 44, 87.464, 39.918

 55, 50.503, 30.389

44, 89.177, 40.572

59, 40.329, 28.684

64, 30.614, 27.385

69, 21.488, 26.410

74, 13.001, 25.680

80, 5.154, 25.092

85, 2.087, 205.102

91, 8.775, 204.625

Harmonies

Complementary

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



48, 71.154, 35.157



74, 37.800, 205.101

Rectangle

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



48, 71.154, 35.157



48, 71.154, 85.157



48, 71.154, 215.157



48, 71.154, 265.157

Sweetspot

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



48, 71.151, 35.159



85, 21.160, 26.111



52, 88.205, 329.687



43, 14.863, 26.401



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, 71.151, 35.159



55, 98.869, 39.236



63, 59.629, 69.925



41, 4.200, 25.230



35, 75.607, 40.645



5, 19.269, 22.576

Inverse Universe

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



74, 37.800, 205.101



87, 45.956, 206.317



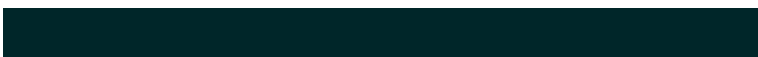
50, 52.769, 279.369



43, 3.953, 204.703



59, 33.891, 206.814



13, 13.138, 204.645

Previews

White Background



This preview shows how the CIELCh color 48, 71.154, 35.157 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, 71.154, 35.157 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, 71.154, 35.157

Background



This preview shows how black text looks on a background with the CIELCh color 48, 71.154, 35.157.



This preview shows how white text looks on a background with the CIELCh color 48, 71.154, 35.157.

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, 71.154, 35.157

Protanopia

48, 29.255, 96.147

Deuteranopia

48, 44.118, 81.660



Tritanopia
48, 68.458, 30.529

Trichromacy



Original Color
48, 71.154, 35.157

Protanomaly
46, 37.521, 54.409

Deuteranomaly
47, 49.862, 55.675

Tritanomaly
48, 69.475, 32.191

Monochromacy



Original Color
48, 71.154, 35.157

Achromatopsia
43, 0.006, 296.813

Achromatomaly
43, 25.321, 28.232

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 71.154, 35.157 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, 58, 48)` looks like.

```
.text, #text, p{  
    color:rgb(209, 58, 48)  
}
```

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, 58, 48) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 58, 48) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 71.154, 35.157 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, 58, 48) }
```

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

```
.border{ border-color:rgb(209, 58, 48) }
```

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

Here you see how a box with a 4 pixel `rgb(209, 58, 48)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 58, 48); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 58, 48);  
box-shadow:4px 4px 4px 4px rgb(209, 58,  
48) }
```

Background

The CSS property to change the background color of an element to CIELCh 48, 71.154, 35.157 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 58, 48) }
```

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

```
.background{ background-color: rgb(209, 58,  
48) }
```

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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