

Converting Colors

CIELCh(48, 71.074, 36.640)

Have a look what the booklet for
CIELCh(48, 71.074, 36.640) contains.

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Color

CIELCh(48, 71.175, 36.745)

Conversions

Conversions Part 1

Format	Color
Hex	D03C2D
RGB	208, 60, 45
RGB Percent	82%, 24%, 18%
CMY	0.1849, 0.7652, 0.8239
CMYK	0.00, 0.71, 0.78, 0.18
HSL	6°, 64%, 50%
HSV	6°, 78%, 82%
XYZ	28.0511, 16.7945, 4.2351
YIQ	102.5420, 93.0230, 26.7110

Conversions

Conversions Part 2

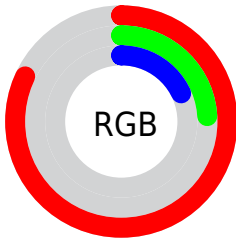
Format	Color
RYB	208, 62, 45
Decimal	13646893
CIELab	48.00, 57.03, 42.58
CIELCh	48, 71.175, 36.745
Yxy	16.7945, 0.5715, 0.3422
Android (android.graphics.Color)	4291836973 (0xFFD03C2D)
YUV	102.5420, -28.3682, 92.4867
Hunter-Lab	40.9810, 50.4647, 22.5595

Details

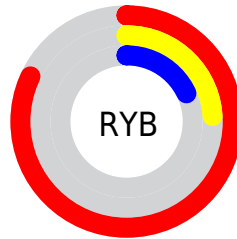
The CIELCh color **48, 71.175, 36.745** is a dark color, and the websafe version is hex **CC3333**. The color can be described as dark washed red. A complement of this color would be **72, 36.841, 209.793**, and the grayscale version is **43, 0.006, 296.813**.

A 20% lighter version of the original color is **66, 64.148, 37.598**, and **29, 67.930, 39.251** is the 20% darker color. If you saturate the color by 10%, you get **46, 80.440, 39.022**, and if you desaturate by 10%, it is **51, 60.968, 34.473**.

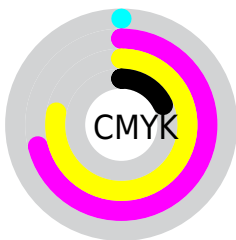
Distribution



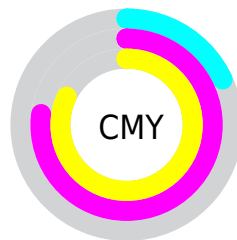
- Red (82%)
- Green (24%)
- Blue (18%)



- Red (82%)
- Yellow (24%)
- Blue (18%)



- Cyan (0%)
- Magenta (71%)
- Yellow (78%)
- Black (18%)





- Cyan (18%)
- Magenta (77%)
- Yellow (82%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 48, 71.175, 36.745 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, 71.175, 36.745 by changing the saturation by 10% instead.

 48, 71.175, 36.745


 48, 71.175, 36.745


 100, 71.175,
36.745

 38, 71.175, 36.745

 68, 71.175, 36.745


 28, 71.175, 36.745

 78, 71.175, 36.745

 18, 71.175, 36.745

 88, 71.175, 36.745

 8, 71.175, 36.745

 98, 71.175, 36.745

 0, 71.175, 36.745

 48, 71.175, 36.745

 48, 71.175, 36.745

 46, 80.440, 39.022

 51, 60.968, 34.473

 44, 87.305, 40.625

 55, 50.637, 32.543

44, 88.288, 40.947

59, 40.575, 31.024

64, 31.001, 29.876

69, 22.027, 29.030

74, 13.696, 28.416

79, 6.000, 27.947

84, 1.097, 208.287

90, 7.648, 207.667

Harmonies

Complementary

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



48, 71.175, 36.745



72, 36.841, 209.793

Rectangle

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



48, 71.175, 36.745



48, 71.175, 86.745



48, 71.175, 216.745



48, 71.175, 266.745

Sweetspot

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



48, 71.172, 36.747



85, 21.606, 28.753



51, 86.592, 330.998



43, 15.064, 28.994



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, 71.172, 36.747



55, 99.539, 40.133



64, 60.553, 72.699



41, 4.089, 27.992



35, 75.143, 41.082



5, 18.925, 24.157

Inverse Universe

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



72, 36.841, 209.793



85, 44.740, 211.963



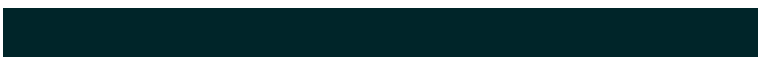
48, 56.572, 282.871



43, 3.848, 207.693



58, 32.926, 212.456



13, 12.799, 209.029

Previews

White Background



This preview shows how the CIELCh color 48, 71.175, 36.745 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, 71.175, 36.745 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, 71.175, 36.745

Background



This preview shows how black text looks on a background with the CIELCh color 48, 71.175, 36.745.



This preview shows how white text looks on a background with the CIELCh color 48, 71.175, 36.745.

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, 71.175, 36.745

Protanopia

48, 31.401, 96.480

Deuteranopia

48, 45.767, 82.209



Tritanopia
48, 67.584, 30.299

Trichromacy



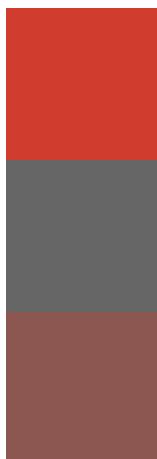
Original Color
48, 71.175, 36.745

Protanomaly
46, 39.068, 57.523

Deuteranomaly
47, 50.854, 57.975

Tritanomaly
48, 68.631, 32.666

Monochromacy



Original Color
48, 71.175, 36.745

Achromatopsia
43, 0.006, 296.813

Achromatomaly
43, 24.701, 30.910

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 71.175, 36.745 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(208, 60, 45)` looks like.

```
.text, #text, p{  
    color:rgb(208, 60, 45)  
}
```

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(208, 60, 45) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(208, 60, 45) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 71.175, 36.745 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(208, 60, 45) }
```

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

```
.border{ border-color:rgb(208, 60, 45) }
```

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

Here you see how a box with a 4 pixel rgb(208, 60, 45) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(208, 60, 45); -webkit-box-  
shadow:4px 4px 4px 4px rgb(208, 60, 45);  
box-shadow:4px 4px 4px 4px rgb(208, 60,  
45) }
```

Background

The CSS property to change the background color of an element to CIELCh 48, 71.175, 36.745 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(208, 60, 45) }
```

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

```
.background{ background-color: rgb(208, 60,  
45) }
```

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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