

Converting Colors

CIELCh(48, 64.079, 30.269)

Have a look what the booklet for
CIELCh(48, 64.079, 30.269) contains.

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Color

CIELCh(48, 64.040, 30.140)

Conversions

Conversions Part 1

Format	Color
Hex	CC3F3F
RGB	204, 63, 63
RGB Percent	80%, 25%, 25%
CMY	0.1993, 0.7523, 0.7524
CMYK	0.00, 0.69, 0.69, 0.20
HSL	0°, 58%, 52%
HSV	0°, 69%, 80%
XYZ	27.6358, 16.7945, 6.5060
YIQ	105.1590, 84.0360, 29.8920

Conversions

Conversions Part 2

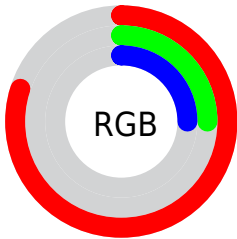
Format	Color
R_{YB}	204, 63, 63
Decimal	13385535
CIE Lab	48.00, 55.38, 32.16
CIE LCh	48, 64.040, 30.140
Yxy	16.7945, 0.5426, 0.3297
Android (android.graphics.Color)	4291575615 (0xFFCC3F3F)
YUV	105.1590, -20.7844, 86.6836
Hunter-Lab	40.9810, 48.6557, 19.2741

Details

The CIELCh color **48, 64.040, 30.140** 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 **75, 37.903, 196.726**, and the grayscale version is **45, 0.006, 296.813**.

A 20% lighter version of the original color is **66, 59.055, 29.993**, and **29, 61.769, 32.378** is the 20% darker color. If you saturate the color by 10%, you get **45, 73.699, 33.574**, and if you desaturate by 10%, it is **52, 53.875, 27.243**.

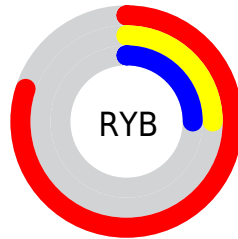
Distribution



Red (80%)

Green (25%)

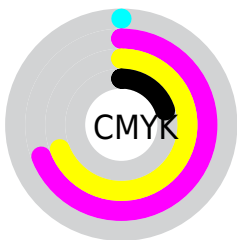
Blue (25%)



Red (80%)

Yellow (25%)

Blue (25%)

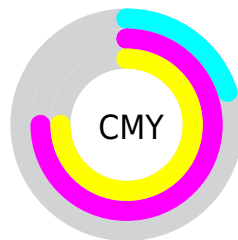


Cyan (0%)

Magenta (69%)

Yellow (69%)

Black (20%)



Cyan (20%)

Magenta (75%)

Yellow (75%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 48, 64.040, 30.140 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, 64.040, 30.140 by changing the saturation by 10% instead.

 48, 64.040, 30.140

 48, 64.040, 30.140

 100, 64.040,
30.140

 38, 64.040, 30.140

 68, 64.040, 30.140

 28, 64.040, 30.140

 78, 64.040, 30.140

 18, 64.040, 30.140

 88, 64.040, 30.140

 8, 64.040, 30.140

 98, 64.040, 30.140

 0, 64.040, 30.140

 48, 64.040, 30.140

 48, 64.040, 30.140

 45, 73.699, 33.574

 52, 53.875, 27.243

 44, 82.061, 37.077

 56, 43.653, 24.944

43, 87.909, 39.753

61, 33.686, 23.171

43, 88.441, 40.003

66, 24.187, 21.812

71, 15.275, 20.764

77, 6.990, 19.924

83, 0.678, 200.213

88, 7.768, 198.972

94, 14.335,
198.554

Harmonies

Complementary

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



48, 64.040, 30.140



75, 37.903, 196.726

Rectangle

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



48, 64.040, 30.140



48, 64.040, 80.140



48, 64.040, 210.140



48, 64.040, 260.140

Sweetspot

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



48, 64.037, 30.143



86, 20.306, 20.972



53, 83.931, 327.740



44, 13.893, 21.254



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, 64.037, 30.143



55, 92.365, 35.369



62, 52.168, 66.621



40, 4.368, 19.949



34, 75.549, 39.827



4, 17.907, 19.420

Inverse Universe

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



75, 37.903, 196.726



91, 48.495, 196.518



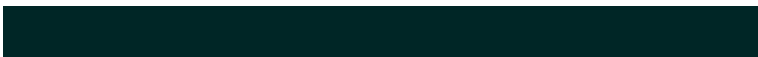
54, 42.931, 271.145



42, 4.118, 199.003



62, 36.285, 196.432



13, 13.509, 196.423

Previews

White Background



This preview shows how the CIELCh color 48, 64.040, 30.140 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, 64.040, 30.140 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, 64.040, 30.140

Background



This preview shows how black text looks on a background with the CIELCh color 48, 64.040, 30.140.



This preview shows how white text looks on a background with the CIELCh color 48, 64.040, 30.140.

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, 64.040, 30.140

Protanopia

48, 19.558, 96.976

Deuteranopia

48, 35.100, 79.839



Tritanopia
48, 63.337, 28.735

Trichromacy



Original Color
48, 64.040, 30.140

Protanomaly
47, 30.020, 46.120

Deuteranomaly
47, 41.478, 50.652

Tritanomaly
48, 63.567, 29.208

Monochromacy



Original Color
48, 64.040, 30.140

Achromatopsia
44, 0.006, 296.813

Achromatomaly
44, 22.748, 22.573

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 64.040, 30.140 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(204, 63, 63)` looks like.

```
.text, #text, p{  
    color:rgb(204, 63, 63)  
}
```

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(204, 63, 63) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 63, 63) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 64.040, 30.140 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(204, 63, 63) }
```

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

```
.border{ border-color:rgb(204, 63, 63) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 63, 63)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 63, 63); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 63, 63);  
box-shadow:4px 4px 4px 4px rgb(204, 63,  
63) }
```

Background

The CSS property to change the background color of an element to CIELCh 48, 64.040, 30.140 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 63, 63) }
```

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

```
.background{ background-color: rgb(204, 63,  
63) }
```

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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