

Converting Colors

CIELCh(48, 64.554, 30.337)

Have a look what the booklet for
CIELCh(48, 64.554, 30.337) contains.

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Color

CIELCh(48, 64.691, 30.650)

Conversions

Conversions Part 1

Format	Color
Hex	CD3F3E
RGB	205, 63, 62
RGB Percent	80%, 25%, 24%
CMY	0.1974, 0.7542, 0.7579
CMYK	0.00, 0.69, 0.70, 0.20
HSL	0°, 59%, 52%
HSV	0°, 70%, 80%
XYZ	27.7039, 16.7945, 6.3026
YIQ	105.3440, 84.9530, 29.7930

Conversions

Conversions Part 2

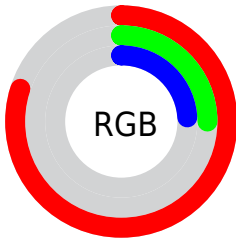
Format	Color
RYB	205, 63, 62
Decimal	13451070
CIELab	48.00, 55.65, 32.98
CIElCh	48, 64.691, 30.650
Yxy	16.7945, 0.5453, 0.3306
Android (android.graphics.Color)	4291641150 (0xFFCD3F3E)
YUV	105.3440, -21.3686, 87.3983
Hunter-Lab	40.9810, 48.9521, 19.5684

Details

The CIELCh color **48, 64.691, 30.650** 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, 37.897, 197.470**, and the grayscale version is **44, 0.006, 296.813**.

A 20% lighter version of the original color is **66, 59.261, 30.476**, and **29, 62.430, 32.923** is the 20% darker color. If you saturate the color by 10%, you get **45, 74.346, 34.034**, and if you desaturate by 10%, it is **52, 54.513, 27.773**.

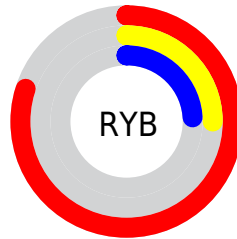
Distribution



Red (80%)

Green (25%)

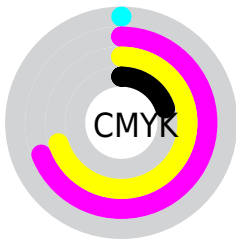
Blue (24%)



Red (80%)

Yellow (25%)

Blue (24%)

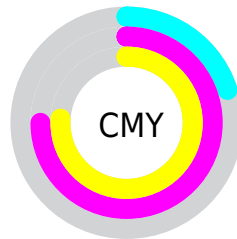


Cyan (0%)

Magenta (69%)

Yellow (70%)

Black (20%)



Cyan (20%)

Magenta (75%)

Yellow (76%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 48, 64.691, 30.650 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, 64.691, 30.650 by changing the saturation by 10% instead.

 48, 64.691, 30.650

 48, 64.691, 30.650

 100, 64.691,
30.650

 38, 64.691, 30.650

 68, 64.691, 30.650

 28, 64.691, 30.650

 78, 64.691, 30.650

 18, 64.691, 30.650

 88, 64.691, 30.650

 8, 64.691, 30.650

 98, 64.691, 30.650

 0, 64.691, 30.650

 48, 64.691, 30.650

 48, 64.691, 30.650

 45, 74.346, 34.034

 52, 54.513, 27.773

 44, 82.631, 37.419

 56, 44.276, 25.482

43, 88.413, 40.014

61, 34.294, 23.712

43, 88.513, 40.061

66, 24.780, 22.358

71, 15.853, 21.317

77, 7.554, 20.489

82, 0.126, 204.420

88, 7.225, 199.556

94, 13.798,
199.144

Harmonies

Complementary

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



48, 64.691, 30.650



75, 37.897, 197.470

Rectangle

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



48, 64.691, 30.650



48, 64.691, 80.650



48, 64.691, 210.650



48, 64.691, 260.650

Sweetspot

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



48, 64.688, 30.653



86, 20.184, 21.451



53, 84.687, 327.762



44, 13.810, 21.726



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, 64.688, 30.653



55, 93.188, 35.868



62, 52.876, 66.512



40, 4.341, 20.456



34, 75.463, 39.908



4, 17.840, 19.731

Inverse Universe

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



75, 37.897, 197.470



91, 48.269, 197.366



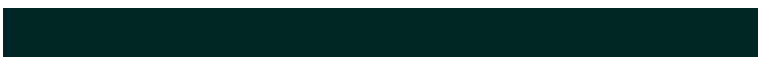
54, 43.453, 271.430



42, 4.091, 199.549



61, 35.963, 197.397



13, 13.413, 197.187

Previews

White Background



This preview shows how the CIELCh color 48, 64.691, 30.650 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, 64.691, 30.650 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, 64.691, 30.650

Background



This preview shows how black text looks on a background with the CIELCh color 48, 64.691, 30.650.



This preview shows how white text looks on a background with the CIELCh color 48, 64.691, 30.650.

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





Tritanopia
48, 64.224, 28.973

Trichromacy



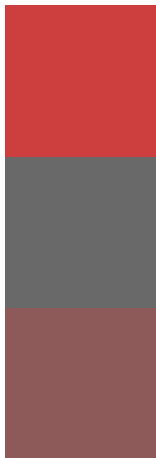
Original Color
48, 64.691, 30.650

Protanomaly
46, 30.710, 47.840

Deuteranomaly
47, 42.277, 50.920

Tritanomaly
48, 64.457, 29.438

Monochromacy



Original Color
48, 64.691, 30.650

Achromatopsia
44, 0.006, 296.813

Achromatomaly
44, 22.853, 24.029

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 64.691, 30.650 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(205, 63, 62)` looks like.

```
.text, #text, p{  
    color:rgb(205, 63, 62)  
}
```

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(205, 63, 62) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 63, 62) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 64.691, 30.650 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(205, 63, 62) }
```

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

```
.border{ border-color:rgb(205, 63, 62) }
```

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

Here you see how a box with a 4 pixel `rgb(205, 63, 62)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(205, 63, 62); -webkit-box-shadow:4px 4px 4px 4px rgb(205, 63, 62); box-shadow:4px 4px 4px 4px rgb(205, 63, 62) }
```

Background

The CSS property to change the background color of an element to CIELCh 48, 64.691, 30.650 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 63, 62) }
```

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

```
.background{ background-color: rgb(205, 63,  
62) }
```

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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