

Converting Colors

CIELCh(46, 64.007, 30.648)

Have a look what the booklet for
CIELCh(46, 64.007, 30.648) contains.

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Color

CIELCh(46, 64.039, 30.611)

Conversions

Conversions Part 1

Format	Color
Hex	C63A3A
RGB	198, 58, 58
RGB Percent	78%, 23%, 23%
CMY	0.2247, 0.7736, 0.7734
CMYK	0.00, 0.71, 0.71, 0.22
HSL	360°, 55%, 50%
HSV	360°, 71%, 78%
XYZ	25.4704, 15.2687, 5.5798
YIQ	99.8600, 83.4400, 29.6800

Conversions

Conversions Part 2

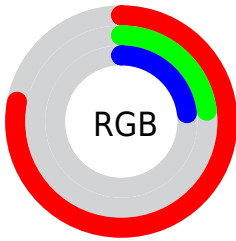
Format	Color
R_{YB}	198, 58, 58
Decimal	12991034
CIE _{Lab}	46.00, 55.11, 32.61
CIE _{LCh}	46, 64.039, 30.611
Yxy	15.2687, 0.5499, 0.3296
Android (android.graphics.Color)	4291181114 (0xFFC63A3A)
YUV	99.8600, -20.6370, 86.0688
Hunter-Lab	39.0751, 47.9706, 18.8862

Details

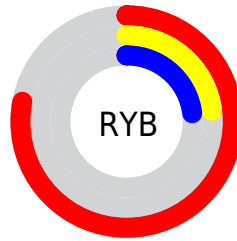
The CIELCh color **46, 64.039, 30.611** is a dark color, and the websafe version is hex **CC3333**. The color can be described as dark muted red. A complement of this color would be **73, 37.434, 196.616**, and the grayscale version is **42, 0.006, 296.813**.

A 20% lighter version of the original color is **65, 61.737, 30.749**, and **28, 61.009, 33.702** is the 20% darker color. If you saturate the color by 10%, you get **43, 73.313, 34.101**, and if you desaturate by 10%, it is **49, 54.185, 27.620**.

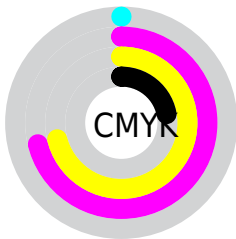
Distribution



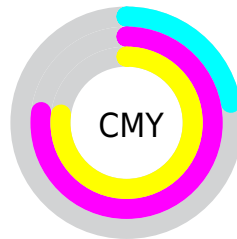
- Red (78%)
- Green (23%)
- Blue (23%)



- Red (78%)
- Yellow (23%)
- Blue (23%)



- Cyan (0%)
- Magenta (71%)
- Yellow (71%)
- Black (22%)



- Cyan (22%)
- Magenta (77%)
- Yellow (77%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 46, 64.039, 30.611 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 46, 64.039, 30.611 by changing the saturation by 10% instead.

 46, 64.039, 30.611

 46, 64.039, 30.611

 100, 64.039,
30.611

 36, 64.039, 30.611

 66, 64.039, 30.611

 26, 64.039, 30.611

 76, 64.039, 30.611

 16, 64.039, 30.611

 86, 64.039, 30.611

 6, 64.039, 30.611

 96, 64.039, 30.611

 0, 64.039, 30.611

 46, 64.039, 30.611

 46, 64.039, 30.611

 43, 73.313, 34.101

 49, 54.185, 27.620

 42, 81.142, 37.533

 53, 44.215, 25.230

41, 86.326, 39.985

58, 34.450, 23.380

63, 25.111, 21.962

68, 16.328, 20.869

74, 8.152, 20.003

79, 0.580, 18.481

85, 6.424, 199.003

91, 12.908,
198.558

Harmonies

Complementary

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



46, 64.039, 30.611



73, 37.434, 196.616

Rectangle

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



46, 64.039, 30.611



46, 64.039, 80.611



46, 64.039, 210.611



46, 64.039, 260.611

Sweetspot

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



46, 64.036, 30.614



86, 20.311, 20.919



50, 83.049, 327.244



44, 13.896, 21.202



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



46, 64.036, 30.614



55, 94.323, 36.054



59, 52.160, 64.851



39, 4.279, 19.892



34, 74.629, 39.761



3, 15.885, 19.385

Inverse Universe

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



46, 64.036, 30.614



55, 94.323, 36.054



53, 41.716, 269.867



39, 4.279, 19.892



34, 74.629, 39.761



3, 15.885, 19.385

Previews

White Background



This preview shows how the CIELCh color 46, 64.039, 30.611 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 46, 64.039, 30.611 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 46, 64.039, 30.611

Background



This preview shows how black text looks on a background with the CIELCh color 46, 64.039, 30.611.



This preview shows how white text looks on a background with the CIELCh color 46, 64.039, 30.611.

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

46, 64.039, 30.611

Protanopia

46, 20.365, 95.757

Deuteranopia

46, 35.347, 79.540



Tritanopia
46, 63.795, 29.390

Trichromacy



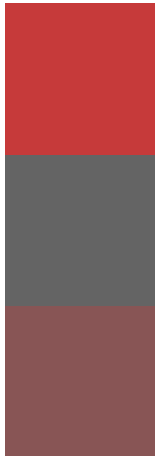
Original Color
46, 64.039, 30.611

Protanomaly
45, 30.730, 46.981

Deuteranomaly
45, 41.535, 50.875

Tritanomaly
46, 64.035, 29.858

Monochromacy



Original Color
46, 64.039, 30.611

Achromatopsia
42, 0.006, 296.813

Achromatomaly
42, 22.993, 22.739

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 64.039, 30.611 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(198, 58, 58)` looks like.

```
.text, #text, p{  
    color:rgb(198, 58, 58)  
}
```

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(198, 58, 58) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 58, 58) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 64.039, 30.611 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(198, 58, 58) }
```

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

```
.border{ border-color:rgb(198, 58, 58) }
```

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

Here you see how a box with a 4 pixel rgb(198, 58, 58) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 58, 58); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 58, 58);  
box-shadow:4px 4px 4px 4px rgb(198, 58,  
58) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 64.039, 30.611 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 58, 58) }
```

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

```
.background{ background-color: rgb(198, 58,  
58) }
```

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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