

Converting Colors

CIELCh(46, 59.229, 29.481)

Have a look what the booklet for
CIELCh(46, 59.229, 29.481) contains.

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Color

CIELCh(46, 59.510, 29.508)

Conversions

Conversions Part 1

Format	Color
Hex	C13F3F
RGB	193, 63, 63
RGB Percent	76%, 25%, 25%
CMY	0.2429, 0.7527, 0.7527
CMYK	0.00, 0.67, 0.67, 0.24
HSL	0°, 51%, 50%
HSV	0°, 67%, 76%
XYZ	24.6906, 15.2687, 6.3563
YIQ	101.8700, 77.4800, 27.5600

Conversions

Conversions Part 2

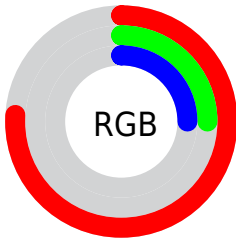
Format	Color
RYB	193, 63, 63
Decimal	12664639
CIELab	46.00, 51.79, 29.31
CIElCh	46, 59.510, 29.508
Yxy	15.2687, 0.5331, 0.3297
Android (android.graphics.Color)	4290854719 (0xFFC13F3F)
YUV	101.8700, -19.1629, 79.9210
Hunter-Lab	39.0751, 44.4082, 17.7079

Details

The CIELCh color **46, 59.510, 29.508** 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 **72, 35.816, 196.746**, and the grayscale version is **43, 0.006, 296.813**.

A 20% lighter version of the original color is **66, 59.346, 29.566**, and **27, 57.957, 31.282** is the 20% darker color. If you saturate the color by 10%, you get **43, 68.879, 32.845**, and if you desaturate by 10%, it is **50, 49.757, 26.739**.

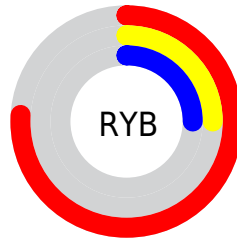
Distribution



Red (76%)

Green (25%)

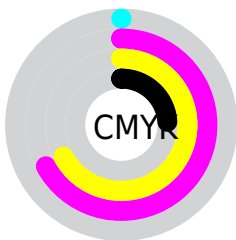
Blue (25%)



Red (76%)

Yellow (25%)

Blue (25%)

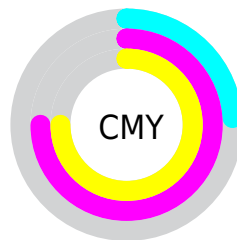


Cyan (0%)

Magenta (67%)

Yellow (67%)

Black (24%)



Cyan (24%)

Magenta (75%)

Yellow (75%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 46, 59.510, 29.508 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, 59.510, 29.508 by changing the saturation by 10% instead.

■ 46, 59.510, 29.508

■ 46, 59.510, 29.508

■ 100, 59.510,
29.508

■ 36, 59.510, 29.508

■ 66, 59.510, 29.508

■ 26, 59.510, 29.508

■ 76, 59.510, 29.508

■ 16, 59.510, 29.508

■ 86, 59.510, 29.508

■ 6, 59.510, 29.508

■ 96, 59.510, 29.508

■ 0, 59.510, 29.508

■ 46, 59.510, 29.508

■ 46, 59.510, 29.508

■ 43, 68.879, 32.845

■ 50, 49.757, 26.739

■ 41, 77.220, 36.391

■ 54, 40.015, 24.557

40, 83.295, 39.255

58, 30.563, 22.876

40, 84.825, 40.002

63, 21.583, 21.587

69, 13.174, 20.589

74, 5.363, 19.771

80, 1.866, 199.568

85, 8.553, 198.878

91, 14.750,
198.481

Harmonies

Complementary

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



46, 59.510, 29.508



72, 35.816, 196.746

Rectangle

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



46, 59.510, 29.508



46, 59.510, 79.508



46, 59.510, 209.508



46, 59.510, 259.508

Sweetspot

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



46, 59.507, 29.511



85, 18.952, 20.861



50, 78.912, 327.680



43, 13.069, 21.138



99, 0.012, 296.813



52, 0.007, 296.813

Same Dimension

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



46, 59.507, 29.511



55, 88.844, 34.609



59, 48.476, 66.903



38, 4.187, 19.932



33, 73.726, 39.726



3, 13.998, 19.413

Inverse Universe

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



72, 35.816, 196.746



90, 47.398, 196.519



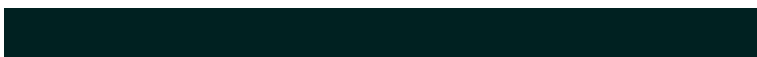
52, 40.053, 270.408



40, 3.948, 198.993



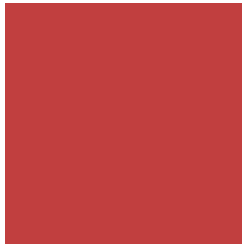
60, 35.467, 196.408



11, 12.442, 196.409

Previews

White Background



This preview shows how the CIELCh color 46, 59.510, 29.508 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, 59.510, 29.508 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, 59.510, 29.508

Background



This preview shows how black text looks on a background with the CIELCh color 46, 59.510, 29.508.



This preview shows how white text looks on a background with the CIELCh color 46, 59.510, 29.508.

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, 59.510, 29.508

Protanopia

46, 17.427, 95.871

Deuteranopia

46, 32.127, 78.430



Tritanopia
46, 58.829, 27.964

Trichromacy



Original Color
46, 59.510, 29.508

Protanomaly
45, 27.379, 45.970

Deuteranomaly
45, 38.129, 49.695

Tritanomaly
46, 59.051, 28.484

Monochromacy



Original Color
46, 59.510, 29.508

Achromatopsia
43, 0.006, 296.813

Achromatomaly
43, 21.021, 22.374

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 59.510, 29.508 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(193, 63, 63)` looks like.

```
.text, #text, p{  
    color:rgb(193, 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(193, 63, 63) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 63, 63) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 59.510, 29.508 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(193, 63, 63) }
```

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

```
.border{ border-color:rgb(193, 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(193, 63, 63) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(193, 63, 63); -webkit-box-  
shadow:4px 4px 4px 4px rgb(193, 63, 63);  
box-shadow:4px 4px 4px 4px rgb(193, 63,  
63) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 59.510, 29.508 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(193, 63, 63) }
```

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

```
.background{ background-color: rgb(193, 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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