

Converting Colors

CIELCh(46, 58.580, 299.570)

Have a look what the booklet for
CIELCh(46, 58.580, 299.570)
contains.

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Color

CIELCh(46, 58.662, 299.611)

Conversions

Conversions Part 1

Format	Color
Hex	6860C3
RGB	104, 96, 195
RGB Percent	41%, 38%, 76%
CMY	0.5918, 0.6233, 0.2350
CMYK	0.47, 0.51, 0.00, 0.24
HSL	245°, 45%, 57%
HSV	245°, 51%, 76%
XYZ	19.7652, 15.2687, 53.5789
YIQ	109.6780, -27.0110, 32.4850

Conversions

Conversions Part 2

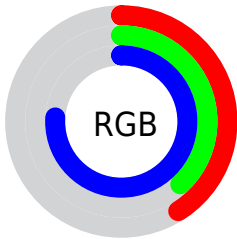
Format	Color
RYB	104, 96, 195
Decimal	6840515
CIELab	46.00, 28.99, -51.00
CIELCh	46, 58.662, 299.611
Yxy	15.2687, 0.2231, 0.1723
Android (android.graphics.Color)	4285030595 (0xFF6860C3)
YUV	109.6780, 42.0637, -4.9796
Hunter-Lab	39.0751, 21.9084, -53.9445

Details

The CIELCh color `46, 58.662, 299.611` is a dark color, and the websafe version is hex `6666CC`. A complement of this color would be `76, 51.113, 109.208`, and the grayscale version is `46, 0.006, 296.813`.

A 20% lighter version of the original color is `66, 58.363, 299.510`, and `26, 58.634, 299.424` is the 20% darker color. If you saturate the color by 10%, you get `40, 71.387, 301.355`, and if you desaturate by 10%, it is `52, 46.191, 298.013`.

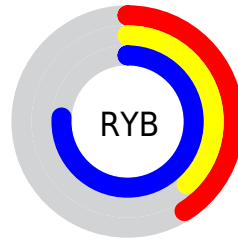
Distribution



Red (41%)

Green (38%)

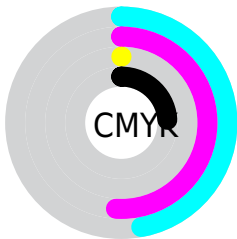
Blue (76%)



Red (41%)

Yellow (38%)

Blue (76%)

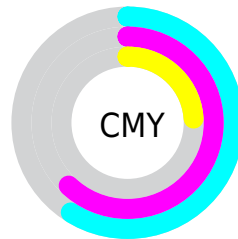


Cyan (47%)

Magenta (51%)

Yellow (0%)

Black (24%)



Cyan (59%)


Magenta (62%)


Yellow (24%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 46, 58.662, 299.611 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, 58.662, 299.611 by changing the saturation by 10% instead.


 46, 58.662,
299.611


 46, 58.662,
299.611


 100, 58.662,
299.611


 36, 58.662,
299.611

 66, 58.662,
299.611


 26, 58.662,
299.611

 76, 58.662,
299.611

 16, 58.662,
299.611

 86, 58.662,
299.611

 6, 58.662, 299.611

 96, 58.662,
299.611

 0, 58.662, 299.611

 46, 58.662,

 46, 58.662,

299.611

299.611

■ 40, 71.387,
301.355

■ 52, 46.191,
298.013

■ 34, 83.915,
303.134

■ 59, 34.148,
296.600

■ 29, 95.289,
304.747

■ 65, 22.577,
295.375

■ 26, 103.979,
305.907

■ 72, 11.468,
294.325


■ 24, 108.962,
306.524

■ 78, 0.797, 293.464

■ 85, 9.466, 112.652

■ 91, 19.350,
111.997

■ 97, 28.882,
111.435

 99, 30.189,
107.882

Harmonies

Complementary

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



46, 58.662, 299.611



76, 51.113, 109.208

Rectangle

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



46, 58.662, 299.611



46, 58.662, 349.611



46, 58.662, 119.611



46, 58.662, 169.611

Sweetspot

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



46, 58.661, 299.612



87, 19.895, 294.775



71, 28.194, 204.726



45, 13.743, 295.003



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, 58.661, 299.612



51, 88.508, 301.568



51, 59.776, 313.686



37, 5.997, 294.192



19, 94.280, 306.576



1, 19.511, 293.324

Inverse Universe

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



56, 60.104, 329.562



66, 86.077, 330.134



73, 56.202, 129.036



38, 6.837, 327.208



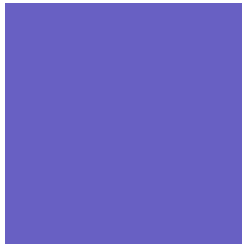
37, 76.824, 331.700



4, 22.458, 329.205

Previews

White Background



This preview shows how the CIELCh color 46, 58.662, 299.611 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, 58.662, 299.611 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

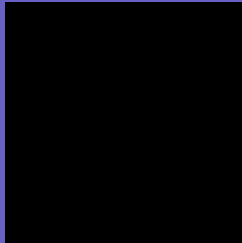
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 46, 58.662, 299.611

Background



This preview shows how black text looks on a background with the CIELCh color 46, 58.662, 299.611.



This preview shows how white text looks on a background with the CIELCh color 46, 58.662, 299.611.

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





Tritanopia
46, 11.978, 225.033

Trichromacy



Original Color
46, 58.662, 299.611

Protanomaly
46, 58.662, 290.858

Deuteranomaly
46, 52.595, 285.610

Tritanomaly
46, 25.348, 281.500

Monochromacy



Original Color
46, 58.662, 299.611

Achromatopsia
46, 0.006, 296.813

Achromatomaly
46, 21.496, 295.942

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 58.662, 299.611 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(104, 96, 195)` looks like.

```
.text, #text, p{  
    color:rgb(104, 96, 195)  
}
```

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(104, 96, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 96, 195) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 58.662, 299.611 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(104, 96, 195) }
```

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

```
.border{ border-color:rgb(104, 96, 195) }
```

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

Here you see how a box with a 4 pixel `rgb(104, 96, 195)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 96, 195); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 96, 195);  
box-shadow:4px 4px 4px 4px rgb(104, 96,  
195) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 58.662, 299.611 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 96, 195) }
```

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

```
.background{ background-color: rgb(104, 96,  
195) }
```

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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