

Converting Colors

CIELCh(46, 60.744, 296.050)

Have a look what the booklet for
CIELCh(46, 60.744, 296.050)
contains.

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Color

CIELCh(46, 60.887, 296.113)

Conversions

Conversions Part 1

Format	Color
Hex	5B62C9
RGB	91, 98, 201
RGB Percent	36%, 38%, 79%
CMY	0.6417, 0.6145, 0.2104
CMYK	0.55, 0.51, 0.00, 0.21
HSL	236°, 51%, 57%
HSV	236°, 55%, 79%
XYZ	19.3308, 15.2687, 57.4039
YIQ	107.6490, -37.2350, 30.5490

Conversions

Conversions Part 2

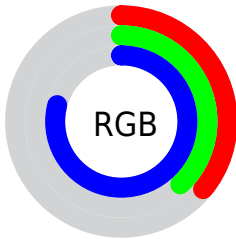
Format	Color
R_{YB}	91, 98, 201
Decimal	5989065
CIE _{Lab}	46.00, 26.80, -54.67
CIE _{LCh}	46, 60.887, 296.113
Yxy	15.2687, 0.2101, 0.1660
Android (android.graphics.Color)	4284179145 (0xFF5B62C9)
YUV	107.6490, 46.0220, -14.6012
Hunter-Lab	39.0751, 19.9238, -59.7483

Details

The CIELCh color **46, 60.887, 296.113** is a dark color, and the websafe version is hex **6666CC**. The color can be described as dark muted azure. A complement of this color would be **77, 52.993, 101.996**, and the grayscale version is **45, 0.006, 296.813**.

A 20% lighter version of the original color is **66, 58.715, 295.919**, and **26, 60.713, 296.032** is the 20% darker color. If you saturate the color by 10%, you get **40, 73.350, 298.458**, and if you desaturate by 10%, it is **52, 48.745, 293.989**.

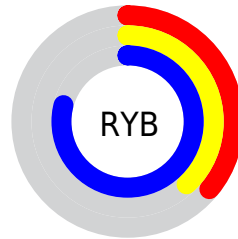
Distribution



Red (36%)

Green (38%)

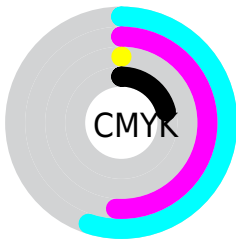
Blue (79%)



Red (36%)

Yellow (38%)

Blue (79%)

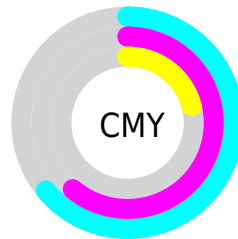


Cyan (55%)

Magenta (51%)

Yellow (0%)

Black (21%)



Cyan (64%)


Magenta (61%)


Yellow (21%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 46, 60.887, 296.113 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, 60.887, 296.113 by changing the saturation by 10% instead.


 46, 60.887,
296.113


 46, 60.887,
296.113


 100, 60.887,
296.113


 36, 60.887,
296.113

 66, 60.887,
296.113


 26, 60.887,
296.113

 76, 60.887,
296.113

 16, 60.887,
296.113

 86, 60.887,
296.113

 6, 60.887, 296.113

 96, 60.887,
296.113

 0, 60.887, 296.113

 46, 60.887,

 46, 60.887,

296.113

■ 40, 73.350,
298.458

■ 34, 85.731,
300.891

■ 30, 97.111,
303.169

■ 26, 105.987,
304.967

■ 25, 109.235,
305.597

296.113

■ 52, 48.745,
293.989

■ 59, 37.055,
292.129

■ 65, 25.831,
290.531


■ 72, 15.049,
289.170

■ 78, 4.675, 288.023

■ 85, 5.323, 106.999

■ 91, 14.972,
106.164

■ 97, 24.297,
105.441

 99, 27.059,
108.123

Harmonies

Complementary

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



46, 60.887, 296.113



77, 52.993, 101.996

Rectangle

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



46, 60.887, 296.113



46, 60.887, 346.113



46, 60.887, 116.113



46, 60.887, 166.113

Sweetspot

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



46, 60.887, 296.114



88, 20.009, 289.373



75, 33.630, 190.098



45, 13.562, 289.646



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, 60.887, 296.114



49, 91.067, 299.016



49, 65.477, 309.845



39, 5.724, 288.541



20, 92.834, 305.410



2, 20.553, 290.113

Inverse Universe

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



53, 47.718, 21.599



61, 70.954, 25.102



76, 59.481, 124.151



39, 4.287, 14.823



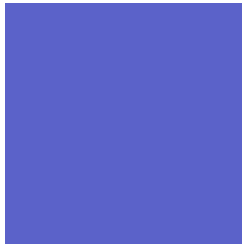
34, 72.161, 37.174



3, 15.923, 16.138

Previews

White Background



This preview shows how the CIELCh color 46, 60.887, 296.113 looks on a white background.

Color Contrast Check

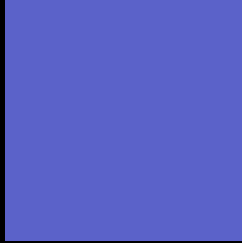
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIE LCh color 46, 60.887, 296.113 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

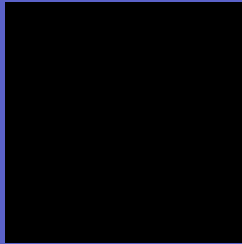
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 46, 60.887, 296.113

Background



This preview shows how black text looks on a background with the CIELCh color 46, 60.887, 296.113.

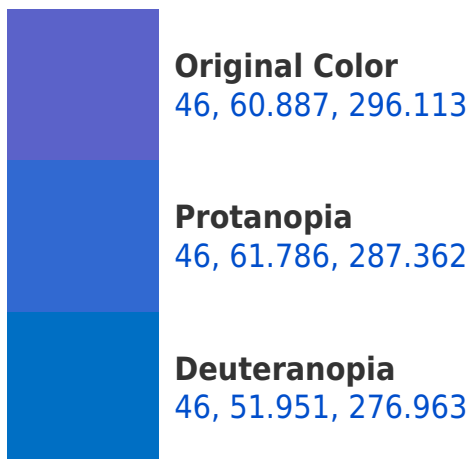


This preview shows how white text looks on a background with the CIELCh color 46, 60.887, 296.113.

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, 18.297, 214.772

Trichromacy



Original Color
46, 60.887, 296.113

Protanomaly
46, 61.042, 289.700

Deuteranomaly
45, 55.429, 282.499

Tritanomaly
46, 27.296, 269.745

Monochromacy



Original Color
46, 60.887, 296.113

Achromatopsia
46, 0.006, 296.813

Achromatomaly
45, 22.678, 291.500

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 60.887, 296.113 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(91, 98, 201)` looks like.

```
.text, #text, p{  
    color:rgb(91, 98, 201)  
}
```

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(91, 98, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(91, 98, 201) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 60.887, 296.113 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(91, 98, 201) }
```

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

```
.border{ border-color:rgb(91, 98, 201) }
```

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

Here you see how a box with a 4 pixel `rgb(91, 98, 201)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(91, 98, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(91, 98, 201);  
box-shadow:4px 4px 4px 4px rgb(91, 98,  
201) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 60.887, 296.113 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(91, 98, 201) }
```

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

```
.background{ background-color: rgb(91, 98,  
201) }
```

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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