

Converting Colors

CIELCh(46, 59.159, 284.398)

Have a look what the booklet for
CIELCh(46, 59.159, 284.398)
contains.

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Color

CIELCh(46, 59.176, 284.308)

Conversions

Conversions Part 1

Format	Color
Hex	236BCE
RGB	35, 107, 206
RGB Percent	14%, 42%, 81%
CMY	0.8644, 0.5812, 0.1931
CMYK	0.83, 0.48, 0.00, 0.19
HSL	215°, 71%, 47%
HSV	215°, 83%, 81%
XYZ	17.0277, 15.2687, 60.2952
YIQ	96.7580, -74.6910, 15.5250

Conversions

Conversions Part 2

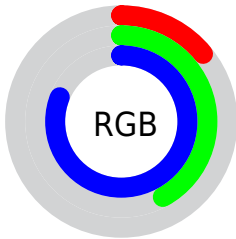
Format	Color
R_{YB}	35, 86, 206
Decimal	2321358
CIE _{Lab}	46.00, 14.62, -57.34
CIE _{LCh}	46, 59.176, 284.308
Yxy	15.2687, 0.1839, 0.1649
Android (android.graphics.Color)	4280511438 (0xFF236BCE)
YUV	96.7580, 53.8563, -54.1618
Hunter-Lab	39.0751, 9.4030, -64.1353

Details

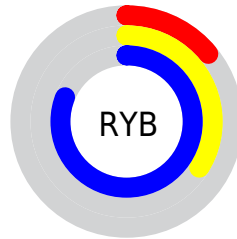
The CIELCh color **46, 59.176, 284.308** is a dark color, and the websafe version is hex **0066CC**. The color can be described as dark muted azure. A complement of this color would be **62, 63.158, 71.300**, and the grayscale version is **41, 0.006, 296.813**.

A 20% lighter version of the original color is **66, 54.434, 282.299**, and **28, 57.716, 291.468** is the 20% darker color. If you saturate the color by 10%, you get **42, 66.738, 288.416**, and if you desaturate by 10%, it is **50, 51.809, 280.416**.

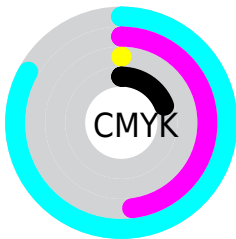
Distribution



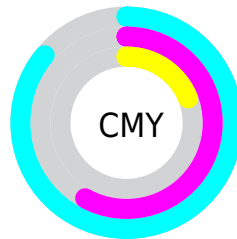
- Red (14%)
- Green (42%)
- Blue (81%)



- Red (14%)
- Yellow (34%)
- Blue (81%)



- Cyan (83%)
- Magenta (48%)
- Yellow (0%)
- Black (19%)



- Cyan (86%)
- Magenta (58%)
- Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 46, 59.176, 284.308 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, 59.176, 284.308 by changing the saturation by 10% instead.

■ 46, 59.176,
284.308

■ 46, 59.176,
284.308

■ 100, 59.176,
284.308

■ 36, 59.176,
284.308

■ 66, 59.176,
284.308

■ 26, 59.176,
284.308

■ 76, 59.176,
284.308

■ 16, 59.176,
284.308

■ 86, 59.176,
284.308

■ 6, 59.176, 284.308

■ 96, 59.176,
284.308

■ 0, 59.176, 284.308

■ 46, 59.176,

■ 46, 59.176,

284.308

284.308

■ 42, 66.738,
288.416

■ 50, 51.809,
280.416

■ 40, 71.995,
291.136

■ 54, 44.598,
276.882

■ 58, 37.481,
273.773

■ 63, 30.408,
271.091

■ 67, 23.352,
268.804

■ 72, 16.303,
266.863

■ 77, 9.265, 265.224

■ 81, 2.247, 263.919

Harmonies

Complementary

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



46, 59.176, 284.308



62, 63.158, 71.300

Rectangle

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



46, 59.176, 284.308



46, 59.176, 334.308



46, 59.176, 104.308



46, 59.176, 154.308

Sweetspot

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



46, 59.176, 284.309



86, 20.914, 267.247



74, 63.438, 156.275



44, 14.274, 267.924



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, 59.176, 284.309



49, 85.759, 291.670



30, 102.119, 304.982



41, 3.952, 264.674



32, 60.310, 290.468



5, 16.615, 277.162

Inverse Universe

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



46, 67.645, 2.572



54, 84.669, 10.655



79, 77.804, 106.900



40, 5.050, 348.870



35, 61.218, 9.089



4, 19.244, 358.264

Previews

White Background



This preview shows how the CIE LCh color 46, 59.176, 284.308 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, 59.176, 284.308 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

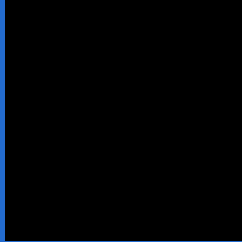
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

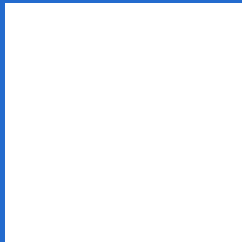
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 46, 59.176, 284.308

Background



This preview shows how black text looks on a background with the CIELCh color 46, 59.176, 284.308.



This preview shows how white text looks on a background with the CIELCh color 46, 59.176, 284.308.

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, 59.176, 284.308

Protanopia

46, 58.883, 287.098

Deuteranopia

46, 50.909, 276.200



Tritanopia
46, 27.730, 207.919

Trichromacy



Original Color
46, 59.176, 284.308

Protanomaly
46, 58.979, 285.925

Deuteranomaly
46, 53.994, 279.411

Tritanomaly
45, 31.984, 250.080

Monochromacy



Original Color
46, 59.176, 284.308

Achromatopsia
41, 0.006, 296.813

Achromatomaly
42, 22.970, 271.566

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 59.176, 284.308 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(35, 107, 206)` looks like.

```
.text, #text, p{  
    color:rgb(35, 107, 206)  
}
```

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(35, 107, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(35, 107, 206) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 59.176, 284.308 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(35, 107, 206) }
```

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

```
.border{ border-color:rgb(35, 107, 206) }
```

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

Here you see how a box with a 4 pixel rgb(35, 107, 206) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(35, 107, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(35, 107, 206);  
box-shadow:4px 4px 4px 4px rgb(35, 107,  
206) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 59.176, 284.308 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(35, 107, 206) }
```

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

```
.background{ background-color: rgb(35, 107,  
206) }
```

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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