

Converting Colors

CIELCh(46, 80.913, 299.611)

Have a look what the booklet for
CIELCh(46, 80.913, 299.611)
contains.

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Color

CIELCh(46, 80.907, 299.599)

Conversions

Conversions Part 1

Format	Color
Hex	5A5BE5
RGB	90, 91, 229
RGB Percent	35%, 36%, 90%
CMY	0.6478, 0.6437, 0.1026
CMYK	0.61, 0.60, 0.00, 0.10
HSL	240°, 73%, 62%
HSV	240°, 61%, 90%
XYZ	22.0448, 15.2687, 75.7871
YIQ	106.4330, -44.8940, 42.7060

Conversions

Conversions Part 2

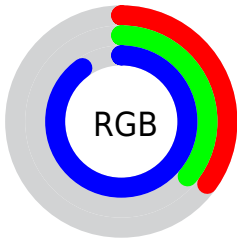
Format	Color
R_{YB}	90, 91, 229
Decimal	5921765
CIE _{Lab}	46.00, 39.96, -70.35
CIE _{LCh}	46, 80.907, 299.599
Yxy	15.2687, 0.1949, 0.1350
Android (android.graphics.Color)	4284111845 (0xFF5A5BE5)
YUV	106.4330, 60.4255, -14.4117
Hunter-Lab	39.0751, 32.3220, -87.6417

Details

The CIELCh color **46, 80.907, 299.599** is a dark color, and the websafe version is hex **6666FF**. The color can be described as middle muted blue. A complement of this color would be **88, 67.453, 104.193**, and the grayscale version is **45, 0.006, 296.813**.

A 20% lighter version of the original color is **64, 63.579, 299.174**, and **26, 80.455, 299.955** is the 20% darker color. If you saturate the color by 10%, you get **40, 95.298, 301.852**, and if you desaturate by 10%, it is **53, 66.355, 297.421**.

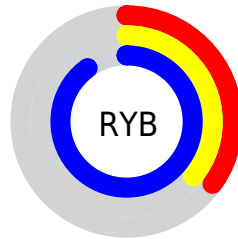
Distribution



Red (35%)

Green (36%)

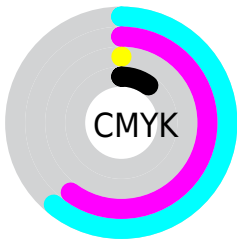
Blue (90%)



Red (35%)

Yellow (36%)

Blue (90%)

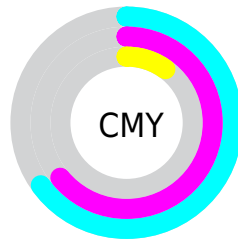


Cyan (61%)

Magenta (60%)

Yellow (0%)

Black (10%)



Cyan (65%)


Magenta (64%)


Yellow (10%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 46, 80.907, 299.599 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, 80.907, 299.599 by changing the saturation by 10% instead.


 46, 80.907,
299.599


 46, 80.907,
299.599


 100, 80.907,
299.599


 36, 80.907,
299.599

 66, 80.907,
299.599


 26, 80.907,
299.599

 76, 80.907,
299.599

 16, 80.907,
299.599

 86, 80.907,
299.599

 6, 80.907, 299.599

 96, 80.907,
299.599

 0, 80.907, 299.599

 46, 80.907,

 46, 80.907,

299.599

299.599

■ 40, 95.298,
301.852

■ 53, 66.355,
297.421

■ 34, 108.328,
303.920

■ 60, 52.172,
295.450

■ 30, 118.052,
305.454

■ 68, 38.531,
293.731

■ 29, 122.984,
306.218

■ 75, 25.458,
292.261

■ 83, 12.926,
291.016

■ 90, 0.895, 290.036

■ 98, 10.673,
109.049

■ 99, 13.245,
109.177

Harmonies

Complementary

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



46, 80.907, 299.599



88, 67.453, 104.193

Rectangle

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



46, 80.907, 299.599



46, 80.907, 349.599



46, 80.907, 119.599



46, 80.907, 169.599

Sweetspot

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



46, 80.907, 299.600



85, 23.979, 291.911



84, 38.903, 195.009



43, 16.764, 292.300



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, 80.907, 299.600



43, 107.446, 302.439



52, 80.869, 311.649



44, 6.828, 290.870



21, 102.039, 306.193



2, 33.501, 296.635

Inverse Universe

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



57, 60.834, 27.272



58, 81.057, 31.278



84, 73.420, 125.816



45, 4.816, 19.329



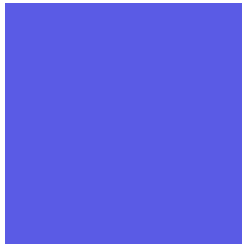
37, 79.648, 39.666



6, 27.079, 21.450

Previews

White Background



This preview shows how the CIE LCh color 46, 80.907, 299.599 looks on a white background.

Color Contrast Check

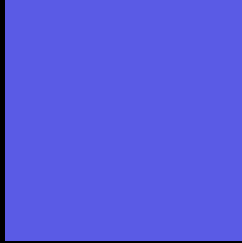
Large Text (above 18pt) WCAG AA ✓ Pass

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, 80.907, 299.599 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

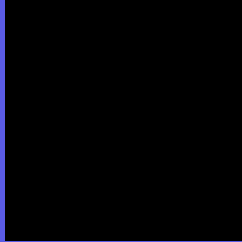
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 46, 80.907, 299.599

Background



This preview shows how black text looks on a background with the CIELCh color 46, 80.907, 299.599.



This preview shows how white text looks on a background with the CIELCh color 46, 80.907, 299.599.

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, 23.574, 211.861

Trichromacy



Original Color
46, 80.907, 299.599

Protanomaly
45, 74.074, 290.994

Deuteranomaly
45, 60.466, 285.340

Tritanomaly
45, 35.153, 272.079

Monochromacy



Original Color
46, 80.907, 299.599

Achromatopsia
45, 0.006, 296.813

Achromatomaly
44, 30.549, 294.341

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 80.907, 299.599 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(90, 91, 229)` looks like.

```
.text, #text, p{  
    color:rgb(90, 91, 229)  
}
```

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(90, 91, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 91, 229) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 80.907, 299.599 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(90, 91, 229) }
```

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

```
.border{ border-color:rgb(90, 91, 229) }
```

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

Here you see how a box with a 4 pixel rgb(90, 91, 229) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(90, 91, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(90, 91, 229);  
box-shadow:4px 4px 4px 4px rgb(90, 91,  
229) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 80.907, 299.599 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(90, 91, 229) }
```

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

```
.background{ background-color: rgb(90, 91,  
229) }
```

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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