

Converting Colors

CIELCh(46, 79.157, 299.353)

Have a look what the booklet for
CIELCh(46, 79.157, 299.353)
contains.

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Color

CIELCh(46, 78.645, 299.220)

Conversions

Conversions Part 1

Format	Color
Hex	5A5CE2
RGB	90, 92, 226
RGB Percent	35%, 36%, 89%
CMY	0.6479, 0.6399, 0.1145
CMYK	0.60, 0.59, 0.00, 0.11
HSL	239°, 70%, 62%
HSV	239°, 60%, 89%
XYZ	21.7085, 15.2687, 73.6130
YIQ	106.6780, -44.2060, 41.2500

Conversions

Conversions Part 2

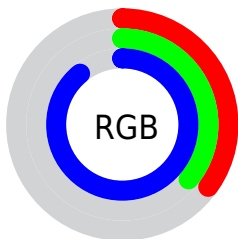
Format	Color
R _Y B	90, 92, 226
Decimal	5922018
CIE Lab	46.00, 38.39, -68.64
CIE LCh	46, 78.645, 299.220
Yxy	15.2687, 0.1963, 0.1381
Android (android.graphics.Color)	4284112098 (0xFF5A5CE2)
YUV	106.6780, 58.8257, -14.6266
Hunter-Lab	39.0751, 30.7855, -84.3429

Details

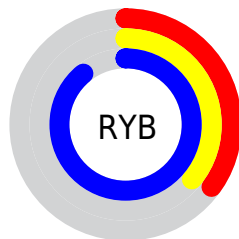
The CIELCh color **46, 78.645, 299.220** is a dark color, and the websafe version is hex **6666FF**. The color can be described as middle muted blue. A complement of this color would be **87, 65.858, 103.872**, and the grayscale version is **45, 0.006, 296.813**.

A 20% lighter version of the original color is **64, 62.968, 298.887**, and **26, 78.729, 299.533** is the 20% darker color. If you saturate the color by 10%, you get **40, 92.849, 301.500**, and if you desaturate by 10%, it is **53, 64.367, 297.037**.

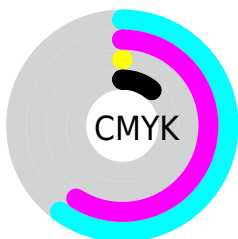
Distribution



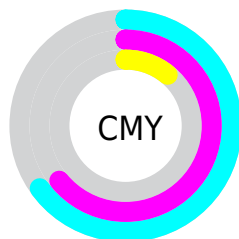
- Red (35%)
- Green (36%)
- Blue (89%)



- Red (35%)
- Yellow (36%)
- Blue (89%)



- Cyan (60%)
- Magenta (59%)
- Yellow (0%)
- Black (11%)



- Cyan (65%)
- Magenta (64%)
- Yellow (11%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 46, 78.645, 299.220 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, 78.645, 299.220 by changing the saturation by 10% instead.


 46, 78.645,
299.220


 46, 78.645,
299.220


 100, 78.645,
299.220

 36, 78.645,
299.220

 66, 78.645,
299.220


 26, 78.645,
299.220

 76, 78.645,
299.220

 16, 78.645,
299.220

 86, 78.645,
299.220

 6, 78.645, 299.220

 96, 78.645,
299.220

 0, 78.645, 299.220

 46, 78.645,

 46, 78.645,

299.220

40, 92.849,
301.500

34, 105.896,
303.629

30, 115.950,
305.267

28, 121.437,
306.146

299.220

53, 64.367,
297.037

60, 50.480,
295.070

68, 37.132,
293.359

75, 24.338,
291.896

82, 12.068,
290.657

90, 0.284, 289.869

97, 11.052,
108.698

99, 14.772,
109.061

Harmonies

Complementary

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



46, 78.645, 299.220



87, 65.858, 103.872

Rectangle

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



46, 78.645, 299.220



46, 78.645, 349.220



46, 78.645, 119.220



46, 78.645, 169.220

Sweetspot

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



46, 78.645, 299.221



85, 23.789, 291.617



83, 38.297, 195.030



43, 16.630, 292.007



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, 78.645, 299.221



43, 105.174, 302.003



52, 79.345, 311.624



43, 6.650, 290.568



21, 100.595, 306.095



2, 31.302, 295.530

Inverse Universe

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



56, 59.413, 26.596



58, 79.567, 30.440



83, 72.107, 125.828



44, 4.727, 18.714



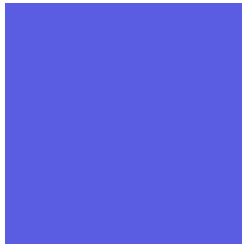
36, 78.451, 39.337



6, 25.504, 20.307

Previews

White Background



This preview shows how the CIE LCh color 46, 78.645, 299.220 looks on a white background.

Color Contrast Check

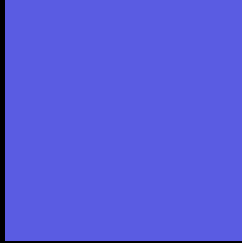
Large Text (above 18pt) WCAG AA ✓ Pass

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, 78.645, 299.220 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

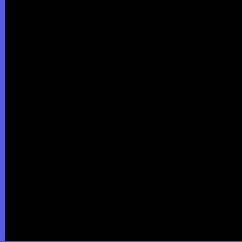
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 46, 78.645, 299.220

Background



This preview shows how black text looks on a background with the CIELCh color 46, 78.645, 299.220.



This preview shows how white text looks on a background with the CIELCh color 46, 78.645, 299.220.

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, 78.645, 299.220

Protanopia

46, 70.091, 287.569

Deuteranopia

46, 49.873, 275.406



Tritanopia
46, 23.052, 210.684

Trichromacy



Original Color
46, 78.645, 299.220

Protanomaly
45, 72.891, 290.488

Deuteranomaly
45, 59.915, 285.100

Tritanomaly
45, 34.504, 272.172

Monochromacy



Original Color
46, 78.645, 299.220

Achromatopsia
45, 0.006, 296.813

Achromatomaly
45, 29.316, 293.515

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 78.645, 299.220 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, 92, 226)` looks like.

```
.text, #text, p{  
    color:rgb(90, 92, 226)  
}
```

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, 92, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 92, 226) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 78.645, 299.220 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, 92, 226) }
```

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

```
.border{ border-color:rgb(90, 92, 226) }
```

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

Here you see how a box with a 4 pixel rgb(90, 92, 226) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(90, 92, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(90, 92, 226);  
box-shadow:4px 4px 4px 4px rgb(90, 92,  
226) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 78.645, 299.220 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(90, 92, 226) }
```

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

```
.background{ background-color: rgb(90, 92,  
226) }
```

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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