

Converting Colors

CIELCh(56, 49.614, 292.780)

Have a look what the booklet for
CIELCh(56, 49.614, 292.780)
contains.

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Color

CIELCh(56, 49.728, 292.785)

Conversions

Conversions Part 1

Format	Color
Hex	767FD6
RGB	118, 127, 214
RGB Percent	46%, 50%, 84%
CMY	0.5369, 0.5017, 0.1605
CMYK	0.45, 0.41, 0.00, 0.16
HSL	234°, 54%, 65%
HSV	234°, 45%, 84%
XYZ	27.2272, 23.9124, 66.8505
YIQ	134.2270, -33.2910, 25.1490

Conversions

Conversions Part 2

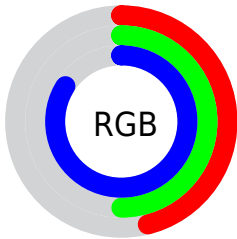
Format	Color
R _Y B	118, 126, 214
Decimal	7765974
CIE Lab	56.00, 19.26, -45.85
CIE LCh	56, 49.728, 292.785
Yxy	23.9124, 0.2308, 0.2027
Android (android.graphics.Color)	4285956054 (0xFF767FD6)
YUV	134.2270, 39.3281, -14.2311
Hunter-Lab	48.9003, 13.8113, -46.8238

Details

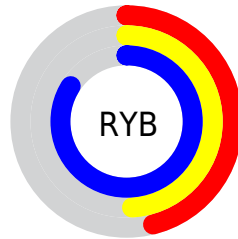
The CIELCh color **56, 49.728, 292.785** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **81, 45.127, 101.356**, and the grayscale version is **56, 0.007, 296.813**.

A 20% lighter version of the original color is **75, 40.476, 291.250**, and **36, 50.058, 293.002** is the 20% darker color. If you saturate the color by 10%, you get **50, 62.038, 294.980**, and if you desaturate by 10%, it is **63, 37.878, 290.870**.

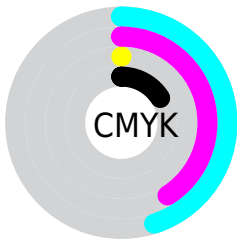
Distribution



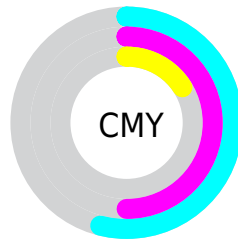
- Red (46%)
- Green (50%)
- Blue (84%)



- Red (46%)
- Yellow (49%)
- Blue (84%)



- Cyan (45%)
- Magenta (41%)
- Yellow (0%)
- Black (16%)





- Cyan (54%)
- Magenta (50%)
- Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 56, 49.728, 292.785 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 56, 49.728, 292.785 by changing the saturation by 10% instead.


 56, 49.728,
292.785


 56, 49.728,
292.785


 100, 49.728,
292.785


 46, 49.728,
292.785


 76, 49.728,
292.785

 36, 49.728,
292.785

 86, 49.728,
292.785

 26, 49.728,
292.785

 96, 49.728,
292.785

 16, 49.728,
292.785

 6, 49.728, 292.785

 0, 49.728, 292.785

■ 56, 49.728,
292.785

■ 56, 49.728,
292.785

■ 50, 62.038,
294.980

■ 63, 37.878,
290.870

■ 43, 74.715,
297.415

■ 69, 26.492,
289.226

■ 38, 87.418,
299.973

■ 76, 15.539,
287.825

■ 33, 99.346,
302.426

■ 82, 4.986, 286.645

■ 29, 109.102,
304.461

■ 89, 5.198, 105.582

■ 28, 112.807,
305.213

■ 96, 15.041,
104.722

■ 99, 20.680,
108.612

Harmonies

Complementary

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



56, 49.728, 292.785



81, 45.127, 101.356

Rectangle

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



56, 49.728, 292.785



56, 49.728, 342.785



56, 49.728, 112.785



56, 49.728, 162.785

Sweetspot

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



56, 49.727, 292.786



90, 15.638, 287.608



80, 30.955, 187.619



46, 10.986, 287.892



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



56, 49.727, 292.786



59, 70.358, 294.909



57, 56.014, 308.208



42, 5.889, 287.158



21, 94.558, 304.976



2, 25.785, 291.878

Inverse Universe

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



61, 40.127, 17.201



66, 56.705, 19.365



81, 51.607, 123.252



42, 4.576, 12.370



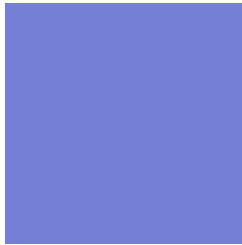
35, 73.509, 35.903



5, 21.966, 15.590

Previews

White Background



This preview shows how the CIELCh color 56, 49.728, 292.785 looks on a white background.

Color Contrast Check

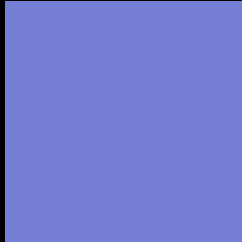
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

Black Background



This preview shows how the CIE LCh color 56, 49.728, 292.785 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

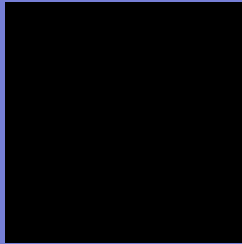
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 56, 49.728, 292.785

Background



This preview shows how black text looks on a background with the CIELCh color 56, 49.728, 292.785.

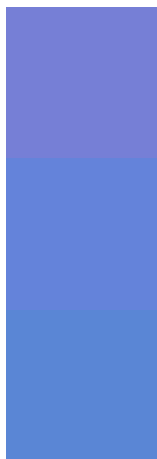


This preview shows how white text looks on a background with the CIELCh color 56, 49.728, 292.785.

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

56, 49.728, 292.785

Protanopia

56, 49.967, 286.207

Deuteranopia

56, 45.950, 280.599



Tritanopia
56, 14.926, 225.894

Trichromacy



Original Color
56, 49.728, 292.785

Protanomaly
56, 49.803, 288.465

Deuteranomaly
56, 47.226, 285.172

Tritanomaly
56, 24.270, 270.897

Monochromacy



Original Color
56, 49.728, 292.785

Achromatopsia
56, 0.007, 296.813

Achromatomaly
56, 18.374, 289.032

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 56, 49.728, 292.785 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(118, 127, 214)` looks like.

```
.text, #text, p{  
    color:rgb(118, 127, 214)  
}
```

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(118, 127, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 127, 214) }
```

Border

The CSS property to change the border of an element to CIELCh 56, 49.728, 292.785 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(118, 127, 214) }
```

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

```
.border{ border-color:rgb(118, 127, 214) }
```

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

Here you see how a box with a 4 pixel `rgb(118, 127, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 127, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 127, 214);  
box-shadow:4px 4px 4px 4px rgb(118, 127,  
214) }
```

Background

The CSS property to change the background color of an element to CIELCh 56, 49.728, 292.785 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 127, 214) }
```

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

```
.background{ background-color: rgb(118,  
127, 214) }
```

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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