

Converting Colors

CIELCh(56, 49.215, 296.640)

Have a look what the booklet for
CIELCh(56, 49.215, 296.640)
contains.

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Color

CIELCh(56, 49.238, 296.694)

Conversions

Conversions Part 1

Format	Color
Hex	807DD3
RGB	128, 125, 211
RGB Percent	50%, 49%, 83%
CMY	0.4985, 0.5103, 0.1731
CMYK	0.39, 0.41, 0.00, 0.17
HSL	242°, 49%, 66%
HSV	242°, 41%, 83%
XYZ	27.9423, 23.9124, 64.6831
YIQ	135.7010, -25.8180, 27.3820

Conversions

Conversions Part 2

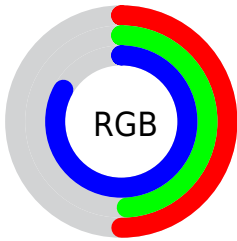
Format	Color
RYB	128, 125, 211
Decimal	8420819
CIELab	56.00, 22.12, -43.99
CIELCh	56, 49.238, 296.694
Yxy	23.9124, 0.2398, 0.2052
Android (android.graphics.Color)	4286610899 (0xFF807DD3)
YUV	135.7010, 37.1224, -6.7538
Hunter-Lab	48.9003, 16.4215, -44.1958

Details

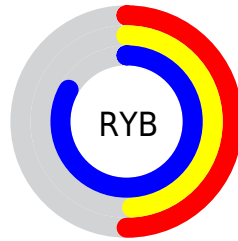
The CIELCh color **56, 49.238, 296.694** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **83, 44.296, 107.858**, and the grayscale version is **56, 0.007, 296.813**.

A 20% lighter version of the original color is **76, 41.664, 296.491**, and **36, 49.429, 296.908** is the 20% darker color. If you saturate the color by 10%, you get **49, 62.578, 298.491**, and if you desaturate by 10%, it is **63, 36.383, 295.118**.

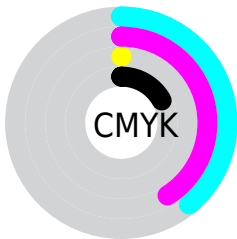
Distribution



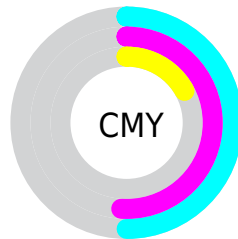
- Red (50%)
- Green (49%)
- Blue (83%)



- Red (50%)
- Yellow (49%)
- Blue (83%)



- Cyan (39%)
- Magenta (41%)
- Yellow (0%)
- Black (17%)



- Cyan (50%)
- Magenta (51%)
- Yellow (17%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 56, 49.238, 296.694 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, 49.238, 296.694 by changing the saturation by 10% instead.

 56, 49.238,
296.694

 56, 49.238,
296.694

 100, 49.238,
296.694

 46, 49.238,
296.694


 76, 49.238,
296.694

 36, 49.238,
296.694

 86, 49.238,
296.694

 26, 49.238,
296.694

 96, 49.238,
296.694

 16, 49.238,
296.694

 6, 49.238, 296.694

 0, 49.238, 296.694

56, 49.238,
296.694

56, 49.238,
296.694

49, 62.578,
298.491

63, 36.383,
295.118

43, 76.229,
300.465

70, 24.052,
293.762

37, 89.683,
302.491

77, 12.226,
292.607

31, 101.839,
304.334

84, 0.873, 291.679

28, 110.932,
305.672

91, 10.041,
110.777

26, 115.779,
306.374

98, 20.551,
110.066

99, 22.293,
108.489

Harmonies

Complementary

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



56, 49.238, 296.694



83, 44.296, 107.858

Rectangle

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



56, 49.238, 296.694



56, 49.238, 346.694



56, 49.238, 116.694



56, 49.238, 166.694

Sweetspot

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



56, 49.237, 296.694



90, 15.926, 292.752



79, 26.242, 200.934



47, 10.591, 292.897



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, 49.237, 296.694



60, 70.285, 298.257



60, 50.822, 312.179



40, 6.376, 292.463



20, 97.843, 306.402



2, 25.580, 294.100

Inverse Universe

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



64, 54.005, 327.614



72, 74.547, 328.050



80, 48.150, 128.332



41, 7.514, 325.883



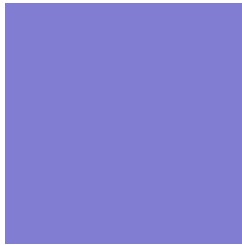
40, 82.398, 329.655



6, 30.303, 328.968

Previews

White Background



This preview shows how the CIELCh color 56, 49.238, 296.694 looks on a white background.

Color Contrast Check

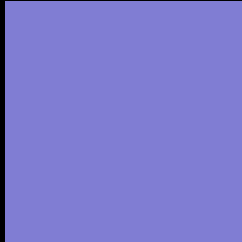
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

Black Background



This preview shows how the CIELCh color 56, 49.238, 296.694 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

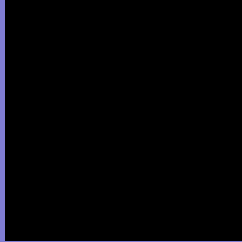
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 56, 49.238, 296.694

Background



This preview shows how black text looks on a background with the CIELCh color 56, 49.238, 296.694.

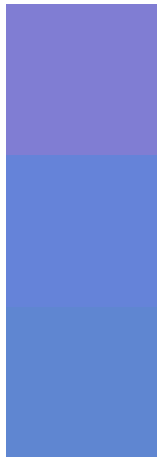


This preview shows how white text looks on a background with the CIELCh color 56, 49.238, 296.694.

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, 49.238, 296.694

Protanopia

56, 49.388, 286.279

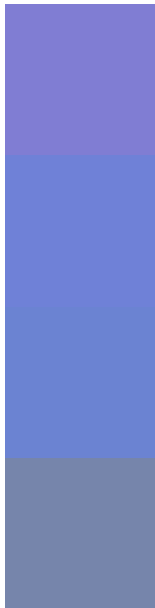
Deuteranopia

56, 43.583, 280.851



Tritanopia
56, 10.827, 234.466

Trichromacy



Original Color
56, 49.238, 296.694

Protanomaly
56, 49.195, 289.821

Deuteranomaly
56, 45.349, 286.685

Tritanomaly
56, 22.189, 279.541

Monochromacy



Original Color
56, 49.238, 296.694

Achromatopsia
57, 0.007, 296.813

Achromatomaly
56, 17.775, 293.412

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 56, 49.238, 296.694 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(128, 125, 211)` looks like.

```
.text, #text, p{  
    color:rgb(128, 125, 211)  
}
```

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(128, 125, 211) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 125, 211) }
```

Border

The CSS property to change the border of an element to CIELCh 56, 49.238, 296.694 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(128, 125, 211) }
```

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

```
.border{ border-color:rgb(128, 125, 211) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 125, 211)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 125, 211); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 125, 211);  
box-shadow:4px 4px 4px 4px rgb(128, 125,  
211) }
```

Background

The CSS property to change the background color of an element to CIELCh 56, 49.238, 296.694 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 125, 211) }
```

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

```
.background{ background-color: rgb(128,  
125, 211) }
```

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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