

Converting Colors

CIELCh(56, 68.648, 299.402)

Have a look what the booklet for
CIELCh(56, 68.648, 299.402)
contains.

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Color

CIELCh(56, 68.455, 299.259)

Conversions

Conversions Part 1

Format	Color
Hex	7F77EF
RGB	127, 119, 239
RGB Percent	50%, 47%, 94%
CMY	0.5022, 0.5336, 0.0630
CMYK	0.47, 0.50, 0.00, 0.06
HSL	244°, 79%, 70%
HSV	244°, 50%, 94%
XYZ	30.8999, 23.9124, 84.5917
YIQ	135.0720, -33.7520, 39.0160

Conversions

Conversions Part 2

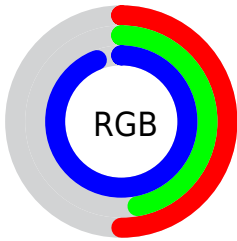
Format	Color
RYB	127, 119, 239
Decimal	8353775
CIELab	56.00, 33.46, -59.72
CIElCh	56, 68.455, 299.259
Yxy	23.9124, 0.2217, 0.1715
Android (android.graphics.Color)	4286543855 (0xFF7F77EF)
YUV	135.0720, 51.2365, -7.0791
Hunter-Lab	48.9003, 27.2176, -68.3343

Details

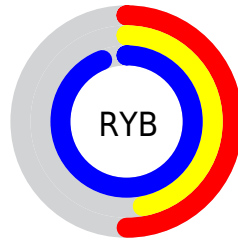
The CIELCh color $56, 68.455, 299.259$ is a light color, and the websafe version is hex `6666CC`. A complement of this color would be $92, 59.575, 108.533$, and the grayscale version is $56, 0.007, 296.813$.

A 20% lighter version of the original color is $74, 45.865, 299.736$, and $36, 68.635, 299.321$ is the 20% darker color. If you saturate the color by 10%, you get $49, 83.492, 301.092$, and if you desaturate by 10%, it is $64, 53.734, 297.584$.

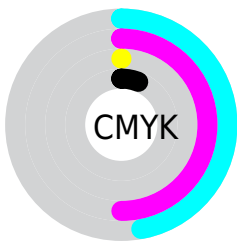
Distribution



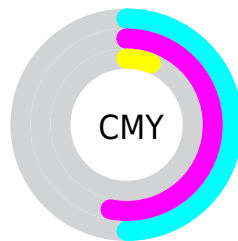
- Red (50%)
- Green (47%)
- Blue (94%)



- Red (50%)
- Yellow (47%)
- Blue (94%)



- Cyan (47%)
- Magenta (50%)
- Yellow (0%)
- Black (6%)





- Cyan (50%)
- Magenta (53%)
- Yellow (6%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 56, 68.455, 299.259 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, 68.455, 299.259 by changing the saturation by 10% instead.


 56, 68.455,
299.259


 56, 68.455,
299.259


 100, 68.455,
299.259


 46, 68.455,
299.259


 76, 68.455,
299.259

 36, 68.455,
299.259

 86, 68.455,
299.259

 26, 68.455,
299.259

 96, 68.455,
299.259

 16, 68.455,
299.259

 6, 68.455, 299.259

 0, 68.455, 299.259

■ 56, 68.455,
299.259

■ 56, 68.455,
299.259

■ 49, 83.492,
301.092

■ 64, 53.734,
297.584

■ 42, 98.289,
302.966

■ 71, 39.535,
296.109

■ 36, 111.654,
304.658

■ 79, 25.906,
294.836

■ 32, 121.683,
305.862

■ 87, 12.833,
293.749

■ 30, 127.065,
306.439

■ 94, 0.282, 292.976

■ 100, 8.136,
109.559

Harmonies

Complementary

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



56, 68.455, 299.259



92, 59.575, 108.533

Rectangle

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



56, 68.455, 299.259



56, 68.455, 349.259



56, 68.455, 119.259



56, 68.455, 169.259

Sweetspot

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



56, 68.454, 299.260



88, 20.047, 294.253



86, 33.410, 202.728



45, 13.736, 294.486



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, 68.454, 299.260



52, 87.694, 301.091



61, 69.636, 313.175



46, 7.143, 293.675



22, 104.214, 306.487



3, 37.975, 300.307

Inverse Universe

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



67, 70.780, 329.100



68, 86.498, 329.596



88, 65.248, 128.473



47, 8.226, 326.800



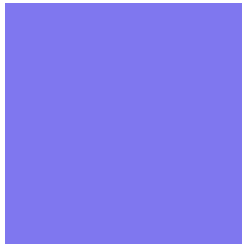
43, 85.701, 331.073



10, 37.685, 330.653

Previews

White Background



This preview shows how the CIELCh color 56, 68.455, 299.259 looks on a white background.

Color Contrast Check

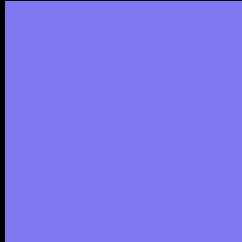
Large Text (above 18pt) WCAG AA ✓ Pass

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, 68.455, 299.259 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

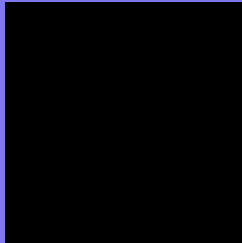
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 56, 68.455, 299.259

Background



This preview shows how black text looks on a background with the CIELCh color 56, 68.455, 299.259.

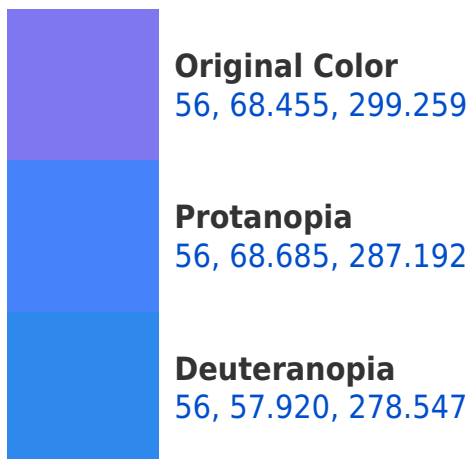



This preview shows how white text looks on a background with the CIELCh color 56, 68.455, 299.259.

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
56, 14.458, 224.302

Trichromacy



Original Color
56, 68.455, 299.259

Protanomaly
56, 68.468, 290.924

Deuteranomaly
56, 61.021, 285.397

Tritanomaly
55, 29.726, 280.646

Monochromacy



Original Color
56, 68.455, 299.259

Achromatopsia
56, 0.007, 296.813

Achromatomaly
56, 25.309, 295.462

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 56, 68.455, 299.259 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(127, 119, 239)` looks like.

```
.text, #text, p{  
    color:rgb(127, 119, 239)  
}
```

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(127, 119, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 119, 239) }
```

Border

The CSS property to change the border of an element to CIELCh 56, 68.455, 299.259 is called "border". The border property can be set on classes, ids or directly on the HTML element.

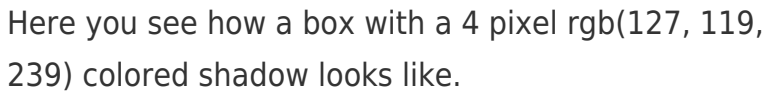
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(127, 119, 239) }
```

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

```
.border{ border-color:rgb(127, 119, 239) }
```

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



Here you see how a box with a 4 pixel `rgb(127, 119, 239)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(127, 119, 239); -webkit-box-shadow:4px 4px 4px 4px rgb(127, 119, 239); box-shadow:4px 4px 4px 4px rgb(127, 119, 239) }
```

Background

The CSS property to change the background color of an element to CIELCh 56, 68.455, 299.259 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 119, 239) }
```

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

```
.background{ background-color: rgb(127,  
119, 239) }
```

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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