

Converting Colors

CIELCh(58, 56.679, 298.453)

Have a look what the booklet for
CIELCh(58, 56.679, 298.453)
contains.

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Color

CIELCh(58, 56.896, 298.560)

Conversions

Conversions Part 1

Format	Color
Hex	877FE3
RGB	135, 127, 227
RGB Percent	53%, 50%, 89%
CMY	0.4697, 0.5011, 0.1089
CMYK	0.40, 0.44, 0.00, 0.11
HSL	245°, 64%, 69%
HSV	245°, 44%, 89%
XYZ	31.5415, 25.9610, 76.1899
YIQ	140.7920, -27.3320, 32.7960

Conversions

Conversions Part 2

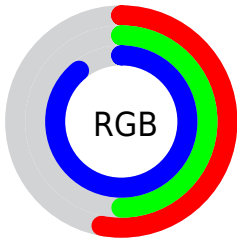
Format	Color
RYB	135, 127, 227
Decimal	8880099
CIELab	58.00, 27.20, -49.97
CIElCh	58, 56.896, 298.560
Yxy	25.9610, 0.2359, 0.1942
Android (android.graphics.Color)	4287070179 (0xFF877FE3)
YUV	140.7920, 42.5005, -5.0796
Hunter-Lab	50.9519, 21.3336, -52.9918

Details

The CIELCh color **58, 56.896, 298.560** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **88, 50.676, 109.646**, and the grayscale version is **58, 0.007, 296.813**.

A 20% lighter version of the original color is **77, 40.652, 299.117**, and **38, 56.848, 298.474** is the 20% darker color. If you saturate the color by 10%, you get **51, 71.155, 300.239**, and if you desaturate by 10%, it is **65, 43.075, 297.061**.

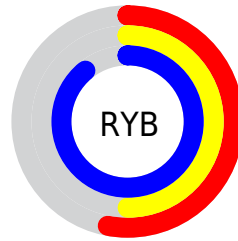
Distribution



Red (53%)

Green (50%)

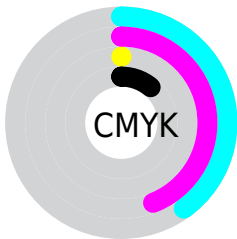
Blue (89%)



Red (53%)

Yellow (50%)

Blue (89%)

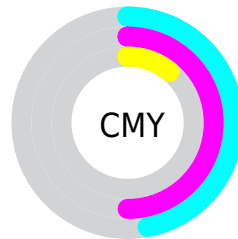


Cyan (40%)

Magenta (44%)

Yellow (0%)

Black (11%)



Cyan (47%)


Magenta (50%)


Yellow (11%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 58, 56.896, 298.560 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 58, 56.896, 298.560 by changing the saturation by 10% instead.


 58, 56.896,
298.560


 58, 56.896,
298.560


 100, 56.896,
298.560


 48, 56.896,
298.560


 78, 56.896,
298.560

 38, 56.896,
298.560

 88, 56.896,
298.560

 28, 56.896,
298.560

 98, 56.896,
298.560

 18, 56.896,
298.560

 8, 56.896, 298.560

 0, 56.896, 298.560

■ 58, 56.896,
298.560

■ 58, 56.896,
298.560

■ 51, 71.155,
300.239

■ 65, 43.075,
297.061

■ 44, 85.562,
302.035

■ 73, 29.787,
295.756

■ 38, 99.401,
303.799

■ 80, 17.034,
294.636

■ 33, 111.288,
305.283

■ 87, 4.793, 293.683

■ 30, 119.334,
306.189

■ 95, 6.971, 112.853

■ 29, 122.241,
306.490

■ 99, 14.050,
109.116

Harmonies

Complementary

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



58, 56.896, 298.560



88, 50.676, 109.646

Rectangle

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



58, 56.896, 298.560



58, 56.896, 348.560



58, 56.896, 118.560



58, 56.896, 168.560

Sweetspot

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



58, 56.895, 298.560



90, 17.313, 294.540



83, 28.637, 204.653



46, 12.169, 294.770



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



58, 56.895, 298.560



57, 76.566, 300.120



62, 58.635, 313.405



44, 6.896, 294.181



21, 101.965, 306.543



2, 33.825, 298.695

Inverse Universe

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



67, 59.782, 329.197



70, 77.445, 329.699



85, 55.576, 129.312



45, 7.863, 327.197



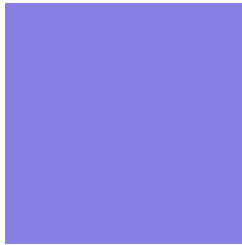
42, 83.050, 331.695



8, 35.190, 331.122

Previews

White Background



This preview shows how the CIELCh color 58, 56.896, 298.560 looks on a white background.

Color Contrast Check

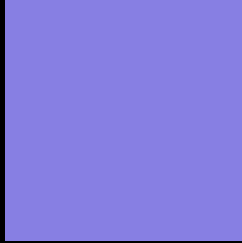
Large Text (above 18pt) WCAG AA ✓ Pass

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 58, 56.896, 298.560 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

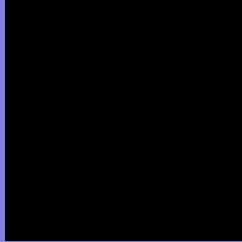
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 58, 56.896, 298.560

Background



This preview shows how black text looks on a background with the CIELCh color 58, 56.896, 298.560.

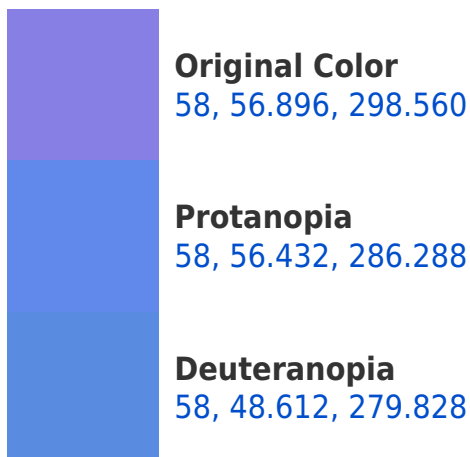


This preview shows how white text looks on a background with the CIELCh color 58, 56.896, 298.560.

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
58, 11.081, 236.967

Trichromacy



Original Color
58, 56.896, 298.560

Protanomaly
58, 56.202, 290.320

Deuteranomaly
58, 51.310, 287.063

Tritanomaly
58, 25.283, 283.207

Monochromacy



Original Color
58, 56.896, 298.560

Achromatopsia
59, 0.008, 296.813

Achromatomaly
58, 20.552, 295.459

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 58, 56.896, 298.560 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(135, 127, 227)` looks like.

```
.text, #text, p{  
    color:rgb(135, 127, 227)  
}
```

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(135, 127, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 127, 227) }
```

Border

The CSS property to change the border of an element to CIELCh 58, 56.896, 298.560 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(135, 127, 227) }
```

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

```
.border{ border-color:rgb(135, 127, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 127, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(135, 127, 227); -webkit-box-shadow:4px 4px 4px 4px rgb(135, 127, 227); box-shadow:4px 4px 4px 4px rgb(135, 127, 227) }
```

Background

The CSS property to change the background color of an element to CIELCh 58, 56.896, 298.560 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 127, 227) }
```

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

```
.background{ background-color: rgb(135,  
127, 227) }
```

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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