

Converting Colors

CIELCh(58, 75.836, 300.647)

Have a look what the booklet for
CIELCh(58, 75.836, 300.647)
contains.

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Color

CIELCh(58, 75.836, 300.647)

Conversions

Conversions Part 1

Format	Color
Hex	8779FF
RGB	135, 121, 255
RGB Percent	53%, 47%, 100%
CMY	0.4715, 0.5263, 0.0009
CMYK	0.47, 0.53, 0.00, 0.00
HSL	246°, 100%, 74%
HSV	246°, 53%, 100%
XYZ	34.7779, 25.9610, 97.5871
YIQ	140.4620, -34.6700, 44.6420

Conversions

Conversions Part 2

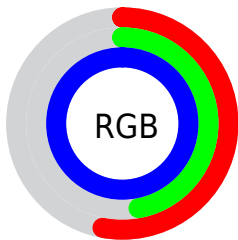
Format	Color
R_{YB}	135, 121, 255
Decimal	8878591
CIE _{Lab}	58.00, 38.66, -65.24
CIE _{LCh}	58, 75.836, 300.647
Yxy	25.9610, 0.2197, 0.1640
Android (android.graphics.Color)	4287068671 (0xFF8779FF)
YUV	140.4620, 56.4672, -4.7902
Hunter-Lab	50.9519, 32.6717, -77.8904

Details

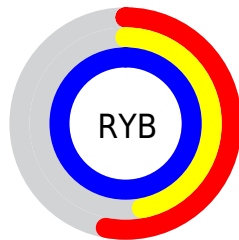
The CIELCh color **58, 75.836, 300.647** is a light color, and the websafe version is hex **6666FF**. A complement of this color would be **97, 65.547, 110.113**, and the grayscale version is **58, 0.007, 296.813**.

A 20% lighter version of the original color is **75, 44.349, 302.252**, and **38, 75.611, 300.605** is the 20% darker color. If you saturate the color by 10%, you get **51, 91.584, 302.334**, and if you desaturate by 10%, it is **66, 60.270, 299.073**.

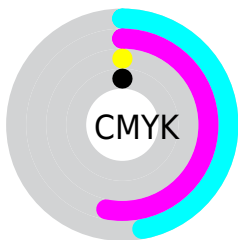
Distribution



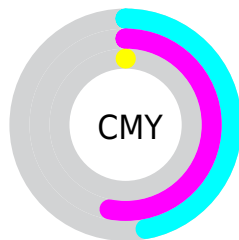
- Red (53%)
- Green (47%)
- Blue (100%)



- Red (53%)
- Yellow (47%)
- Blue (100%)



- Cyan (47%)
- Magenta (53%)
- Yellow (0%)
- Black (0%)



- Cyan (47%)
- Magenta (53%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 58, 75.836, 300.647 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, 75.836, 300.647 by changing the saturation by 10% instead.

■ 58, 75.836,
300.647

■ 58, 75.836,
300.647

■ 100, 75.836,
300.647

■ 48, 75.836,
300.647

■ 78, 75.836,
300.647

■ 38, 75.836,
300.647

■ 88, 75.836,
300.647

■ 28, 75.836,
300.647

■ 98, 75.836,
300.647

■ 18, 75.836,
300.647

■ 8, 75.836, 300.647

■ 0, 75.836, 300.647

58, 75.836,
300.647

58, 75.836,
300.647

51, 91.584,
302.334

66, 60.270,
299.073

44, 106.792,
304.000

74, 45.187,
297.668

38, 120.042,
305.415

82, 30.680,
296.443

34, 129.317,
306.288

90, 16.753,
295.389

33, 133.132,
306.559

98, 3.382, 294.495

100, 0.108,
109.452

Harmonies

Complementary

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



58, 75.836, 300.647



97, 65.547, 110.113

Rectangle

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



58, 75.836, 300.647



58, 75.836, 350.647



58, 75.836, 120.647



58, 75.836, 170.647

Sweetspot

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



58, 75.835, 300.648



87, 21.461, 295.731



89, 34.685, 209.053



45, 14.550, 295.946



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, 75.835, 300.648



50, 92.302, 302.405



64, 77.088, 314.822



49, 7.529, 295.097



23, 107.191, 306.626



4, 44.368, 303.796

Inverse Universe

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



70, 75.637, 330.497



66, 87.512, 331.074



92, 72.745, 130.014



50, 8.432, 327.933



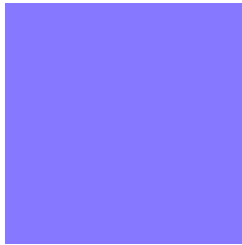
44, 85.756, 332.885



12, 39.842, 332.268

Previews

White Background



This preview shows how the CIELCh color 58, 75.836, 300.647 looks on a white background.

Color Contrast Check

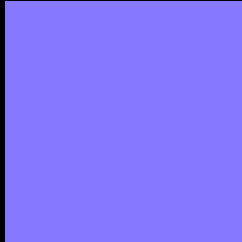
Large Text (above 18pt) WCAG AA ✓ Pass

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, 75.836, 300.647 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

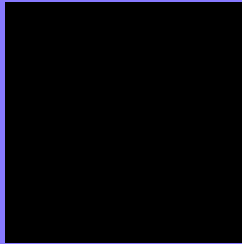
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 58, 75.836, 300.647

Background



This preview shows how black text looks on a background with the CIELCh color 58, 75.836, 300.647.

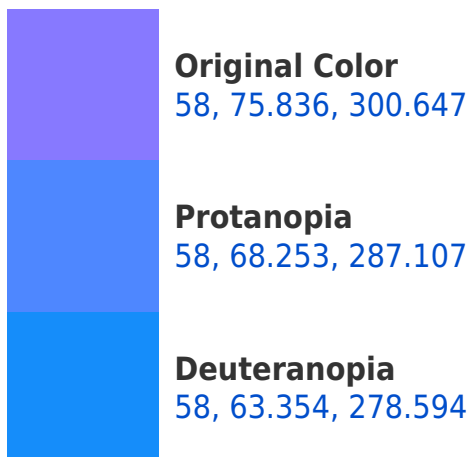


This preview shows how white text looks on a background with the CIELCh color 58, 75.836, 300.647.

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, 14.614, 226.377

Trichromacy



Original Color
58, 75.836, 300.647

Protanomaly
58, 70.781, 291.875

Deuteranomaly
57, 67.589, 285.101

Tritanomaly
57, 32.778, 283.427

Monochromacy



Original Color
58, 75.836, 300.647

Achromatopsia
58, 0.007, 296.813

Achromatomaly
58, 28.045, 296.810

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 58, 75.836, 300.647 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, 121, 255)` looks like.

```
.text, #text, p{  
    color:rgb(135, 121, 255)  
}
```

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, 121, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 121, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 58, 75.836, 300.647 is called "border". The border property can be set on classes, ids or directly on the HTML element.

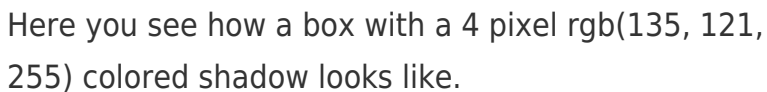
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(135, 121, 255) }
```

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

```
.border{ border-color:rgb(135, 121, 255) }
```

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



Here you see how a box with a 4 pixel `rgb(135, 121, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 121, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 121, 255);  
box-shadow:4px 4px 4px 4px rgb(135, 121,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 58, 75.836, 300.647 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 121, 255) }
```

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

```
.background{ background-color: rgb(135,  
121, 255) }
```

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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