

Converting Colors

CIELCh(57, 63.692, 294.688)

Have a look what the booklet for
CIELCh(57, 63.692, 294.688)
contains.

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Color

CIELCh(57, 63.662, 294.722)

Conversions

Conversions Part 1

Format	Color
Hex	747EEE
RGB	116, 126, 238
RGB Percent	45%, 49%, 93%
CMY	0.5438, 0.5048, 0.0654
CMYK	0.51, 0.47, 0.00, 0.07
HSL	235°, 79%, 70%
HSV	235°, 51%, 93%
XYZ	30.2245, 24.9227, 84.3571
YIQ	135.7780, -41.9120, 32.7120

Conversions

Conversions Part 2

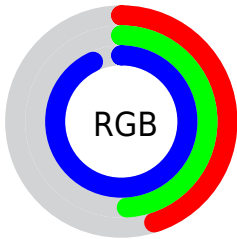
Format	Color
R _Y B	116, 125, 238
Decimal	7634670
CIE Lab	57.00, 26.62, -57.83
CIE LCh	57, 63.662, 294.722
Yxy	24.9227, 0.2167, 0.1787
Android (android.graphics.Color)	4285824750 (0xFF747EEE)
YUV	135.7780, 50.3954, -17.3453
Hunter-Lab	49.9226, 20.7043, -65.2399

Details

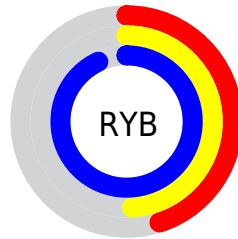
The CIELCh color $57, 63.662, 294.722$ is a light color, and the websafe version is hex `6666CC`. A complement of this color would be $89, 56.327, 101.310$, and the grayscale version is $57, 0.007, 296.813$.

A 20% lighter version of the original color is $75, 41.037, 292.194$, and $37, 63.724, 294.877$ is the 20% darker color. If you saturate the color by 10%, you get $50, 77.581, 297.076$, and if you desaturate by 10%, it is $64, 50.193, 292.626$.

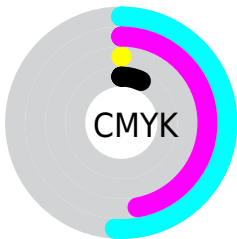
Distribution



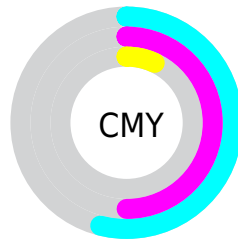
- Red (45%)
- Green (49%)
- Blue (93%)



- Red (45%)
- Yellow (49%)
- Blue (93%)



- Cyan (51%)
- Magenta (47%)
- Yellow (0%)
- Black (7%)





- Cyan (54%)
- Magenta (50%)
- Yellow (7%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 57, 63.662, 294.722 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 57, 63.662, 294.722 by changing the saturation by 10% instead.


 57, 63.662,
294.722


 57, 63.662,
294.722


 100, 63.662,
294.722


 47, 63.662,
294.722


 77, 63.662,
294.722

 37, 63.662,
294.722

 87, 63.662,
294.722

 27, 63.662,
294.722

 97, 63.662,
294.722

 17, 63.662,
294.722

 7, 63.662, 294.722

 0, 63.662, 294.722

■ 57, 63.662,
294.722

■ 57, 63.662,
294.722

■ 50, 77.581,
297.076

■ 64, 50.193,
292.626

■ 44, 91.654,
299.590

■ 71, 37.249,
290.809

■ 38, 105.116,
302.061

■ 79, 24.817,
289.255

■ 34, 116.523,
304.181

■ 86, 12.863,
287.937

■ 31, 123.468,
305.478

■ 93, 1.348, 286.886

■ 100, 8.441,
109.537

Harmonies

Complementary

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



57, 63.662, 294.722



89, 56.327, 101.310

Rectangle

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



57, 63.662, 294.722



57, 63.662, 344.722



57, 63.662, 114.722



57, 63.662, 164.722

Sweetspot

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



57, 63.661, 294.723



88, 18.350, 288.421



87, 37.030, 188.663



46, 12.568, 288.699



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



57, 63.661, 294.723



54, 81.711, 297.085



59, 70.211, 309.168



46, 6.545, 287.733



23, 100.740, 305.258



3, 35.667, 297.290

Inverse Universe

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



64, 50.763, 19.537



63, 64.841, 22.189



89, 63.953, 123.619



47, 5.013, 13.352



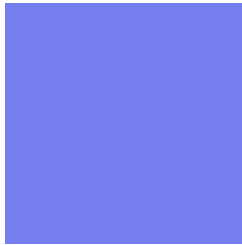
38, 78.296, 36.720



8, 29.429, 20.511

Previews

White Background



This preview shows how the CIE LCh color 57, 63.662, 294.722 looks on a white background.

Color Contrast Check

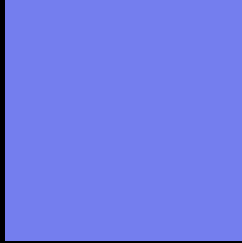
Large Text (above 18pt) WCAG AA ✓ Pass

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 57, 63.662, 294.722 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

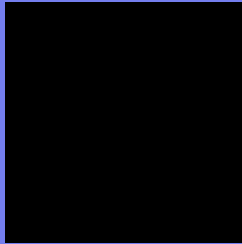
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 57, 63.662, 294.722

Background



This preview shows how black text looks on a background with the CIELCh color 57, 63.662, 294.722.

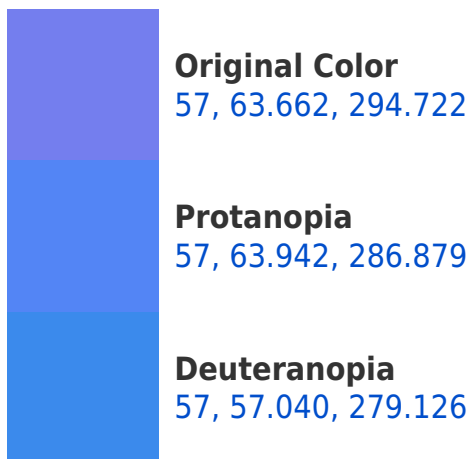


This preview shows how white text looks on a background with the CIELCh color 57, 63.662, 294.722.

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
57, 19.154, 218.997

Trichromacy



Original Color
57, 63.662, 294.722

Protanomaly
57, 63.752, 289.333

Deuteranomaly
57, 59.150, 284.424

Tritanomaly
57, 29.720, 270.446

Monochromacy



Original Color
57, 63.662, 294.722

Achromatopsia
57, 0.007, 296.813

Achromatomaly
56, 23.474, 290.390

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 57, 63.662, 294.722 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(116, 126, 238)` looks like.

```
.text, #text, p{  
    color:rgb(116, 126, 238)  
}
```

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(116, 126, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 126, 238) }
```

Border

The CSS property to change the border of an element to CIELCh 57, 63.662, 294.722 is called "border". The border property can be set on classes, ids or directly on the HTML element.

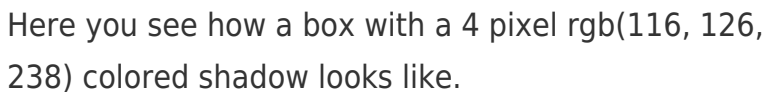
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(116, 126, 238) }
```

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

```
.border{ border-color:rgb(116, 126, 238) }
```

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



Here you see how a box with a 4 pixel `rgb(116, 126, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(116, 126, 238); -webkit-box-shadow:4px 4px 4px 4px rgb(116, 126, 238); box-shadow:4px 4px 4px 4px rgb(116, 126, 238) }
```

Background

The CSS property to change the background color of an element to CIELCh 57, 63.662, 294.722 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 126, 238) }
```

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

```
.background{ background-color: rgb(116,  
126, 238) }
```

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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