

Converting Colors

CIELCh(55, 67.764, 302.284)

Have a look what the booklet for
CIELCh(55, 67.764, 302.284)
contains.

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Color

CIELCh(55, 67.764, 302.284)

Conversions

Conversions Part 1

Format	Color
Hex	8772E8
RGB	135, 114, 232
RGB Percent	53%, 45%, 91%
CMY	0.4715, 0.5538, 0.0911
CMYK	0.42, 0.51, 0.00, 0.09
HSL	251°, 72%, 68%
HSV	251°, 51%, 91%
XYZ	30.4773, 22.9298, 78.9824
YIQ	133.7310, -25.3620, 41.1500

Conversions

Conversions Part 2

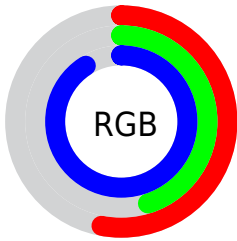
Format	Color
RYB	135, 114, 232
Decimal	8876776
CIELab	55.00, 36.19, -57.29
CIELCh	55, 67.764, 302.284
Yxy	22.9298, 0.2302, 0.1732
Android (android.graphics.Color)	4287066856 (0xFF8772E8)
YUV	133.7310, 48.4466, 1.1129
Hunter-Lab	47.8851, 29.8104, -64.2742

Details

The CIELCh color $55, 67.764, 302.284$ is a light color, and the websafe version is hex `6666CC`. A complement of this color would be $88, 59.419, 113.609$, and the grayscale version is $56, 0.007, 296.813$.

A 20% lighter version of the original color is $73, 49.213, 304.390$, and $35, 68.231, 302.443$ is the 20% darker color. If you saturate the color by 10%, you get $48, 82.160, 303.640$, and if you desaturate by 10%, it is $62, 53.516, 301.008$.

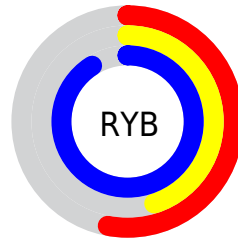
Distribution



Red (53%)

Green (45%)

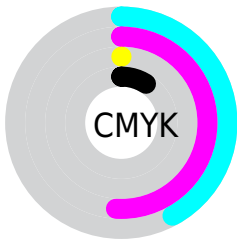
Blue (91%)



Red (53%)

Yellow (45%)

Blue (91%)

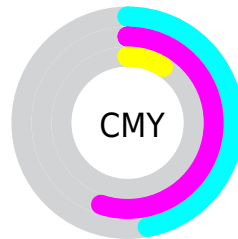


Cyan (42%)

Magenta (51%)

Yellow (0%)

Black (9%)



Cyan (47%)

Magenta (55%)

Yellow (9%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 55, 67.764, 302.284 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 55, 67.764, 302.284 by changing the saturation by 10% instead.

 55, 67.764,
302.284

 55, 67.764,
302.284

 100, 67.764,
302.284

 45, 67.764,
302.284


 75, 67.764,
302.284

 35, 67.764,
302.284

 85, 67.764,
302.284

 25, 67.764,
302.284

 95, 67.764,
302.284

 15, 67.764,
302.284

 5, 67.764, 302.284

 0, 67.764, 302.284

55, 67.764,
302.284

55, 67.764,
302.284

48, 82.160,
303.640

62, 53.516,
301.008

42, 96.141,
304.975

69, 39.670,
299.856

36, 108.625,
306.110

77, 26.313,
298.842

32, 118.008,
306.807

84, 13.462,
297.960

30, 123.097,
306.994

91, 1.102, 297.197

98, 10.792,
116.547

99, 11.764,
109.288

Harmonies

Complementary

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



55, 67.764, 302.284



88, 59.419, 113.609

Rectangle

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



55, 67.764, 302.284



55, 67.764, 352.284



55, 67.764, 122.284



55, 67.764, 172.284

Sweetspot

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



55, 67.763, 302.285



88, 20.175, 298.313



80, 30.079, 218.164



45, 13.821, 298.500



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



55, 67.763, 302.285



53, 88.960, 303.697



61, 69.625, 316.817



44, 6.939, 297.843



22, 101.094, 307.096



3, 34.056, 301.006

Inverse Universe

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



65, 64.859, 333.072



66, 81.307, 333.805



85, 66.701, 132.156



45, 7.344, 330.317



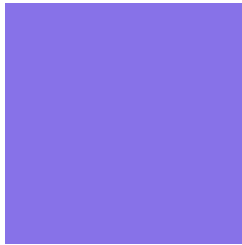
41, 77.017, 336.810



8, 32.997, 335.266

Previews

White Background



This preview shows how the CIELCh color 55, 67.764, 302.284 looks on a white background.

Color Contrast Check

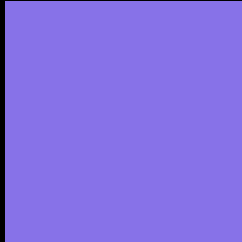
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

Black Background



This preview shows how the CIE LCh color 55, 67.764, 302.284 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

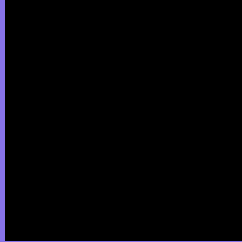
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 55, 67.764, 302.284

Background



This preview shows how black text looks on a background with the CIELCh color 55, 67.764, 302.284.



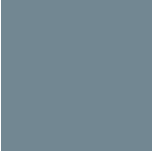
This preview shows how white text looks on a background with the CIELCh color 55, 67.764, 302.284.

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
55, 9.776, 239.294

Trichromacy



Original Color
55, 67.764, 302.284

Protanomaly
55, 67.520, 291.682

Deuteranomaly
55, 59.329, 287.349

Tritanomaly
55, 28.795, 290.277

Monochromacy



Original Color
55, 67.764, 302.284

Achromatopsia
56, 0.007, 296.813

Achromatomaly
55, 24.913, 298.700

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 55, 67.764, 302.284 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, 114, 232)` looks like.

```
.text, #text, p{  
    color:rgb(135, 114, 232)  
}
```

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, 114, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 114, 232) }
```

Border

The CSS property to change the border of an element to CIELCh 55, 67.764, 302.284 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, 114, 232) }
```

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

```
.border{ border-color:rgb(135, 114, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 114, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 114, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 114, 232);  
box-shadow:4px 4px 4px 4px rgb(135, 114,  
232) }
```

Background

The CSS property to change the background color of an element to CIELCh 55, 67.764, 302.284 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 114, 232) }
```

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

```
.background{ background-color: rgb(135,  
114, 232) }
```

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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