

Converting Colors

CIELCh(55, 78.170, 301.702)

Have a look what the booklet for
CIELCh(55, 78.170, 301.702)
contains.

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Color

CIELCh(55, 78.255, 301.734)

Conversions

Conversions Part 1

Format	Color
Hex	816FF8
RGB	129, 111, 248
RGB Percent	51%, 44%, 97%
CMY	0.4927, 0.5635, 0.0261
CMYK	0.48, 0.55, 0.00, 0.03
HSL	248°, 91%, 71%
HSV	248°, 55%, 97%
XYZ	31.8235, 22.9298, 91.8430
YIQ	132.0000, -33.2490, 46.4230

Conversions

Conversions Part 2

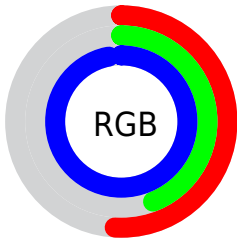
Format	Color
R _Y B	129, 111, 248
Decimal	8482808
CIE Lab	55.00, 41.16, -66.56
CIE LCh	55, 78.255, 301.734
Yxy	22.9298, 0.2171, 0.1564
Android (android.graphics.Color)	4286672888 (0xFF816FF8)
YUV	132.0000, 57.1880, -2.6310
Hunter-Lab	47.8851, 34.8286, -80.1978

Details

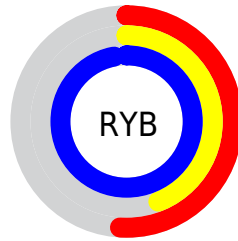
The CIELCh color **55, 78.255, 301.734** is a light color, and the websafe version is hex **6666FF**. A complement of this color would be **94, 67.182, 111.236**, and the grayscale version is **55, 0.007, 296.813**.

A 20% lighter version of the original color is **72, 50.847, 303.468**, and **35, 78.753, 301.819** is the 20% darker color. If you saturate the color by 10%, you get **48, 93.548, 303.303**, and if you desaturate by 10%, it is **63, 62.974, 300.237**.

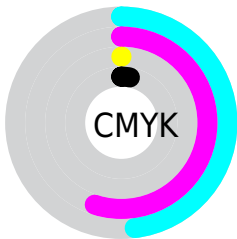
Distribution



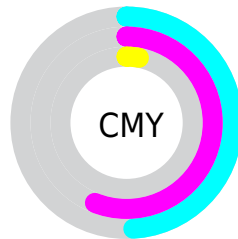
- Red (51%)
- Green (44%)
- Blue (97%)



- Red (51%)
- Yellow (44%)
- Blue (97%)



- Cyan (48%)
- Magenta (55%)
- Yellow (0%)
- Black (3%)





- Cyan (49%)
- Magenta (56%)
- Yellow (3%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 55, 78.255, 301.734 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, 78.255, 301.734 by changing the saturation by 10% instead.


 55, 78.255,
301.734


 55, 78.255,
301.734


 100, 78.255,
301.734


 45, 78.255,
301.734


 75, 78.255,
301.734

 35, 78.255,
301.734

 85, 78.255,
301.734

 25, 78.255,
301.734

 95, 78.255,
301.734

 15, 78.255,
301.734

 5, 78.255, 301.734

 0, 78.255, 301.734

■ 55, 78.255,
301.734

■ 55, 78.255,
301.734

■ 48, 93.548,
303.303

■ 63, 62.974,
300.237

■ 42, 108.010,
304.794

■ 70, 48.086,
298.879

■ 36, 120.123,
305.971

■ 78, 33.729,
297.684

■ 33, 127.977,
306.566

■ 86, 19.930,
296.648

■ 32, 130.310,
306.692

■ 94, 6.676, 295.760

■ 100, 3.359,
109.904

Harmonies

Complementary

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



55, 78.255, 301.734



94, 67.182, 111.236

Rectangle

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



55, 78.255, 301.734



55, 78.255, 351.734



55, 78.255, 121.734



55, 78.255, 171.734

Sweetspot

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



55, 78.255, 301.735



86, 22.882, 296.828



86, 34.653, 211.469



44, 15.367, 297.029



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, 78.255, 301.735



49, 96.833, 303.445



62, 79.218, 315.425



48, 7.417, 296.126



23, 105.883, 306.771



4, 42.392, 303.599

Inverse Universe

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



67, 75.779, 331.627



65, 88.809, 332.288



90, 74.833, 130.437



49, 8.135, 328.796



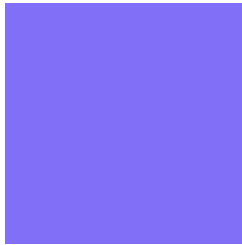
43, 83.109, 334.292



11, 38.091, 333.429

Previews

White Background



This preview shows how the CIE LCh color 55, 78.255, 301.734 looks on a white background.

Color Contrast Check

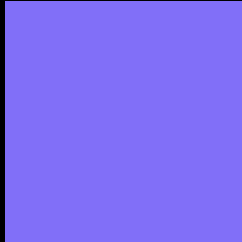
Large Text (above 18pt) WCAG AA ✓ Pass

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 55, 78.255, 301.734 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

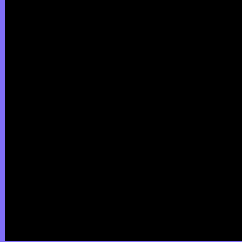
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 55, 78.255, 301.734

Background



This preview shows how black text looks on a background with the CIELCh color 55, 78.255, 301.734.

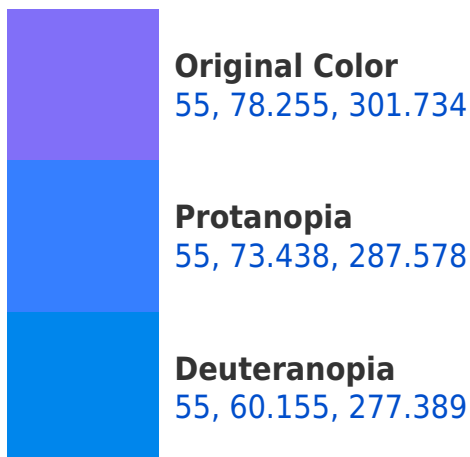


This preview shows how white text looks on a background with the CIELCh color 55, 78.255, 301.734.

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, 13.919, 225.536

Trichromacy



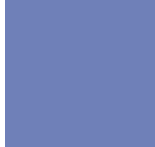
Original Color
55, 78.255, 301.734



Protanomaly
55, 75.500, 292.058



Deuteranomaly
54, 66.135, 284.541



Tritanomaly
54, 32.470, 284.512

Monochromacy



Original Color
55, 78.255, 301.734



Achromatopsia
55, 0.007, 296.813



Achromatomaly
54, 29.005, 298.292

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 55, 78.255, 301.734 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(129, 111, 248)` looks like.

```
.text, #text, p{  
    color:rgb(129, 111, 248)  
}
```

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(129, 111, 248) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 111, 248) }
```

Border

The CSS property to change the border of an element to CIELCh 55, 78.255, 301.734 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(129, 111, 248) }
```

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

```
.border{ border-color:rgb(129, 111, 248) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 111, 248)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 111, 248); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 111, 248);  
box-shadow:4px 4px 4px 4px rgb(129, 111,  
248) }
```

Background

The CSS property to change the background color of an element to CIELCh 55, 78.255, 301.734 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 111, 248) }
```

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

```
.background{ background-color: rgb(129,  
111, 248) }
```

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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