

Converting Colors

CIELCh(55, 81.282, 302.374)

Have a look what the booklet for
CIELCh(55, 81.282, 302.374)
contains.

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Color

CIELCh(55, 80.985, 302.314)

Conversions

Conversions Part 1

Format	Color
Hex	836EFC
RGB	131, 110, 252
RGB Percent	51%, 43%, 99%
CMY	0.4872, 0.5694, 0.0127
CMYK	0.48, 0.56, 0.00, 0.01
HSL	249°, 96%, 71%
HSV	249°, 56%, 99%
XYZ	32.4131, 22.9298, 94.6221
YIQ	132.4670, -33.0660, 48.6140

Conversions

Conversions Part 2

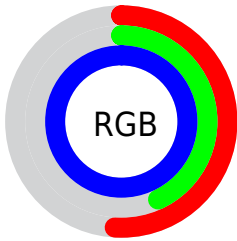
Format	Color
R _{YB}	131, 110, 252
Decimal	8613628
CIE _{Lab}	55.00, 43.29, -68.44
CIE _{LCh}	55, 80.985, 302.314
Y _{xy}	22.9298, 0.2161, 0.1529
Android (android.graphics.Color)	4286803708 (0xFF836EFC)
YUV	132.4670, 58.9298, -1.2866
Hunter-Lab	47.8851, 37.0263, -83.6389

Details

The CIELCh color $55, 80.985, 302.314$ is a light color, and the websafe version is hex $6666FF$. A complement of this color would be $95, 69.333, 111.907$, and the grayscale version is $55, 0.007, 296.813$.

A 20% lighter version of the original color is $72, 51.591, 304.798$, and $35, 80.942, 302.388$ is the 20% darker color. If you saturate the color by 10%, you get $48, 96.344, 303.812$, and if you desaturate by 10%, it is $63, 65.539, 300.865$.

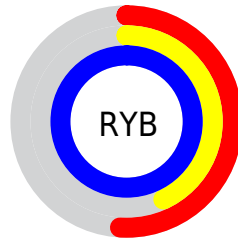
Distribution



Red (51%)

Green (43%)

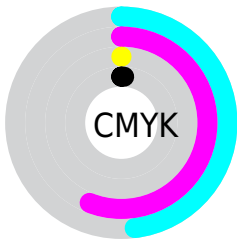
Blue (99%)



Red (51%)

Yellow (43%)

Blue (99%)

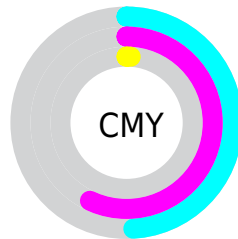


Cyan (48%)

Magenta (56%)

Yellow (0%)

Black (1%)



Cyan (49%)


Magenta (57%)


Yellow (1%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 55, 80.985, 302.314 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, 80.985, 302.314 by changing the saturation by 10% instead.


 55, 80.985,
302.314


 55, 80.985,
302.314


 100, 80.985,
302.314


 45, 80.985,
302.314


 75, 80.985,
302.314

 35, 80.985,
302.314

 85, 80.985,
302.314

 25, 80.985,
302.314

 95, 80.985,
302.314

 15, 80.985,
302.314

 5, 80.985, 302.314

 0, 80.985, 302.314

55, 80.985,
302.314

55, 80.985,
302.314

48, 96.344,
303.812

63, 65.539,
300.865

42, 110.695,
305.203

70, 50.440,
299.539

37, 122.449,
306.249

78, 35.854,
298.365

33, 129.744,
306.698

86, 21.825,
297.344

33, 131.494,
306.776

94, 8.346, 296.465

100, 1.627,
110.009

Harmonies

Complementary

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



55, 80.985, 302.314



95, 69.333, 111.907

Rectangle

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



55, 80.985, 302.314



55, 80.985, 352.314



55, 80.985, 122.314



55, 80.985, 172.314

Sweetspot

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



55, 80.985, 302.315



87, 22.905, 297.404



86, 35.113, 213.929



44, 15.382, 297.599



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, 80.985, 302.315



47, 99.787, 304.056



62, 81.852, 315.975



48, 7.425, 296.724



23, 105.728, 306.865



4, 42.433, 303.912

Inverse Universe

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



68, 77.163, 332.300



64, 89.646, 333.051



91, 77.525, 130.899



49, 8.045, 329.313



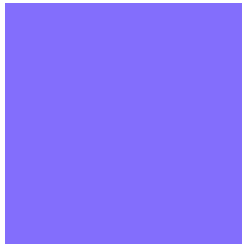
43, 82.090, 335.150



11, 37.680, 334.151

Previews

White Background



This preview shows how the CIELCh color 55, 80.985, 302.314 looks on a white background.

Color Contrast Check

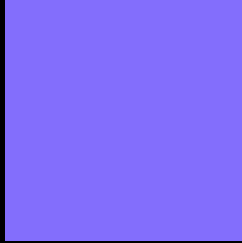
Large Text (above 18pt) WCAG AA ✓ Pass

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, 80.985, 302.314 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

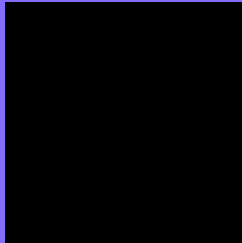
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 55, 80.985, 302.314

Background



This preview shows how black text looks on a background with the CIELCh color 55, 80.985, 302.314.



This preview shows how white text looks on a background with the CIELCh color 55, 80.985, 302.314.

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, 80.985, 302.314



Protanomaly
55, 76.023, 292.293



Deuteranomaly
54, 67.235, 285.254



Tritanomaly
54, 34.125, 286.293

Monochromacy



Original Color
55, 80.985, 302.314



Achromatopsia
55, 0.007, 296.813



Achromatomaly
55, 30.172, 298.850

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 55, 80.985, 302.314 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(131, 110, 252)` looks like.

```
.text, #text, p{  
    color:rgb(131, 110, 252)  
}
```

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(131, 110, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 110, 252) }
```

Border

The CSS property to change the border of an element to CIELCh 55, 80.985, 302.314 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(131, 110, 252) }
```

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

```
.border{ border-color:rgb(131, 110, 252) }
```

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

Here you see how a box with a 4 pixel `rgb(131, 110, 252)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 110, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 110, 252);  
box-shadow:4px 4px 4px 4px rgb(131, 110,  
252) }
```

Background

The CSS property to change the background color of an element to CIELCh 55, 80.985, 302.314 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 110, 252) }
```

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

```
.background{ background-color: rgb(131,  
110, 252) }
```

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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