

Converting Colors

CIELCh(55, 78.863, 296.263)

Have a look what the booklet for
CIELCh(55, 78.863, 296.263)
contains.

CIELCh(55, 78.655, 296.323)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(55, 78.655, 296.323)

Conversions

Conversions Part 1

Format	Color
Hex	6775FF
RGB	103, 117, 255
RGB Percent	40%, 46%, 100%
CMY	0.5947, 0.5401, 0.0000
CMYK	0.59, 0.54, 0.00, 0.00
HSL	234°, 100%, 70%
HSV	234°, 59%, 100%
XYZ	30.1271, 22.9298, 97.7134
YIQ	128.5460, -52.6420, 39.9500

Conversions

Conversions Part 2

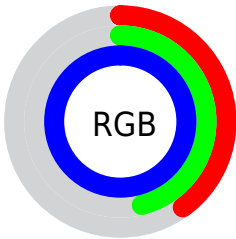
Format	Color
RYB	103, 116, 255
Decimal	6780415
CIELab	55.00, 34.88, -70.50
CIElCh	55, 78.655, 296.323
Yxy	22.9298, 0.1998, 0.1521
Android (android.graphics.Color)	4284970495 (0xFF6775FF)
YUV	128.5460, 62.3418, -22.4038
Hunter-Lab	47.8851, 28.5050, -87.4664

Details

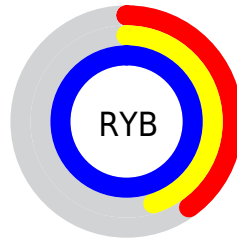
The CIELCh color **55, 78.655, 296.323** is a light color, and the websafe version is hex **6666FF**. A complement of this color would be **94, 67.479, 99.897**, and the grayscale version is **54, 0.007, 296.813**.

A 20% lighter version of the original color is **72, 46.835, 293.091**, and **35, 78.608, 296.319** is the 20% darker color. If you saturate the color by 10%, you get **48, 93.213, 298.843**, and if you desaturate by 10%, it is **62, 64.018, 293.956**.

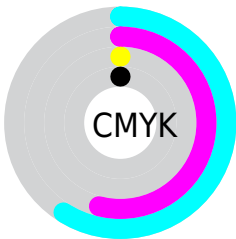
Distribution



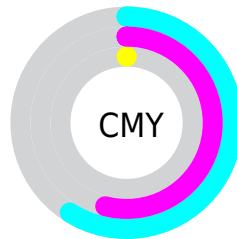
- Red (40%)
- Green (46%)
- Blue (100%)



- Red (40%)
- Yellow (45%)
- Blue (100%)



- Cyan (59%)
- Magenta (54%)
- Yellow (0%)
- Black (0%)





- Cyan (59%)
- Magenta (54%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 55, 78.655, 296.323 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, 78.655, 296.323 by changing the saturation by 10% instead.


 55, 78.655,
296.323


 55, 78.655,
296.323


 100, 78.655,
296.323


 45, 78.655,
296.323


 75, 78.655,
296.323

 35, 78.655,
296.323

 85, 78.655,
296.323

 25, 78.655,
296.323

 95, 78.655,
296.323

 15, 78.655,
296.323

 5, 78.655, 296.323

 0, 78.655, 296.323

■ 55, 78.655,
296.323

■ 55, 78.655,
296.323

■ 48, 93.213,
298.843

■ 62, 64.018,
293.956

■ 42, 107.544,
301.396

■ 70, 50.054,
291.880

■ 37, 120.135,
303.670

■ 77, 36.638,
290.088

■ 34, 129.143,
305.319

■ 85, 23.747,
288.559

■ 34, 129.498,
305.380

■ 93, 11.343,
287.264

100, 0.012,
296.813

Harmonies

Complementary

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



55, 78.655, 296.323



94, 67.479, 99.897

Rectangle

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



55, 78.655, 296.323



55, 78.655, 346.323



55, 78.655, 116.323



55, 78.655, 166.323

Sweetspot

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



55, 78.483, 296.303



86, 21.896, 288.355



92, 43.898, 186.305



44, 15.298, 288.765



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, 78.483, 296.303



47, 95.458, 299.239



57, 86.385, 309.241



49, 6.811, 287.268



24, 103.398, 305.135



4, 41.211, 300.122

Inverse Universe

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



64, 62.912, 20.987



59, 75.496, 24.801



93, 76.914, 122.703



50, 5.282, 12.540



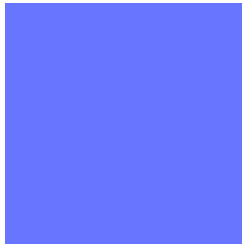
40, 80.364, 36.362



10, 32.658, 23.457

Previews

White Background



This preview shows how the CIELCh color 55, 78.655, 296.323 looks on a white background.

Color Contrast Check

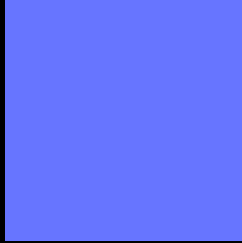
Large Text (above 18pt) WCAG AA ✓ Pass

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, 78.655, 296.323 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

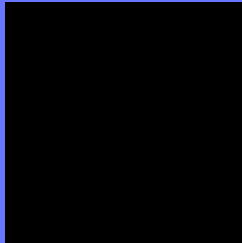
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 55, 78.655, 296.323

Background



This preview shows how black text looks on a background with the CIELCh color 55, 78.655, 296.323.

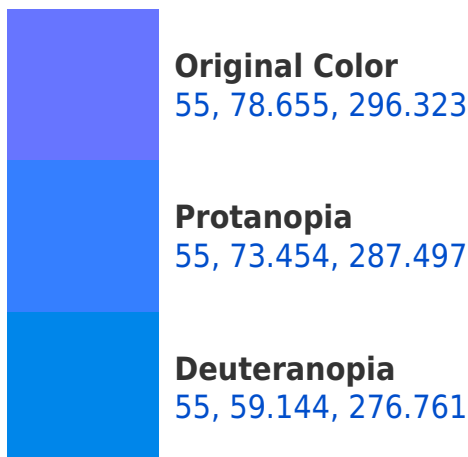


This preview shows how white text looks on a background with the CIELCh color 55, 78.655, 296.323.

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, 25.519, 211.700

Trichromacy



Original Color
55, 78.655, 296.323

Protanomaly
55, 75.546, 290.537

Deuteranomaly
54, 66.192, 283.432

Tritanomaly
54, 35.577, 267.126

Monochromacy



Original Color
55, 78.655, 296.323

Achromatopsia
54, 0.007, 296.813

Achromatomaly
54, 28.874, 290.331

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 55, 78.655, 296.323 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(103, 117, 255)` looks like.

```
.text, #text, p{  
    color:rgb(103, 117, 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(103, 117, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 117, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 55, 78.655, 296.323 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(103, 117, 255) }
```

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

```
.border{ border-color:rgb(103, 117, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(103, 117, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 117, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 117, 255);  
box-shadow:4px 4px 4px 4px rgb(103, 117,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 55, 78.655, 296.323 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 117, 255) }
```

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

```
.background{ background-color: rgb(103,  
117, 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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