

Converting Colors

CIELCh(55, 63.614, 285.050)

Have a look what the booklet for
CIELCh(55, 63.614, 285.050)
contains.

CIELCh(55, 63.485, 284.923)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(55, 63.485, 284.923)

Conversions

Conversions Part 1

Format	Color
Hex	4081EF
RGB	64, 129, 239
RGB Percent	25%, 51%, 94%
CMY	0.7471, 0.4954, 0.0642
CMYK	0.73, 0.46, 0.00, 0.06
HSL	218°, 84%, 59%
HSV	218°, 73%, 94%
XYZ	25.4768, 22.9298, 84.4513
YIQ	122.1050, -74.0500, 20.4300

Conversions

Conversions Part 2

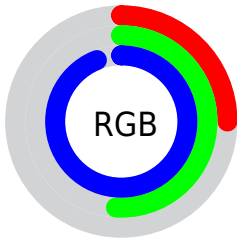
Format	Color
R _{YB}	64, 111, 239
Decimal	4227567
CIE _{Lab}	55.00, 16.35, -61.34
CIE _{LCh}	55, 63.485, 284.923
Yxy	22.9298, 0.1918, 0.1726
Android (android.graphics.Color)	4282417647 (0xFF4081EF)
YUV	122.1050, 57.6292, -50.9581
Hunter-Lab	47.8851, 11.1703, -71.0456

Details

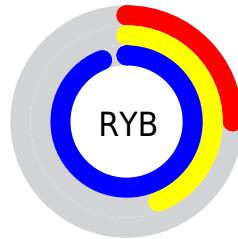
The CIELCh color **55, 63.485, 284.923** is a dark color, and the websafe version is hex **6699FF**. The color can be described as middle muted azure. A complement of this color would be **76, 64.190, 77.858**, and the grayscale version is **51, 0.007, 296.813**.

A 20% lighter version of the original color is **73, 41.735, 274.681**, and **36, 62.354, 288.954** is the 20% darker color. If you saturate the color by 10%, you get **50, 72.897, 288.656**, and if you desaturate by 10%, it is **60, 54.319, 281.498**.

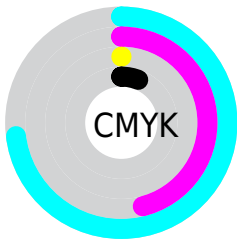
Distribution



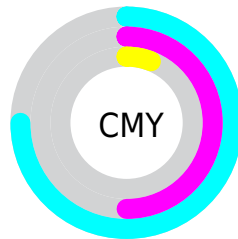
- Red (25%)
- Green (51%)
- Blue (94%)



- Red (25%)
- Yellow (44%)
- Blue (94%)



- Cyan (73%)
- Magenta (46%)
- Yellow (0%)
- Black (6%)





- Cyan (75%)
- Magenta (50%)
- Yellow (6%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 55, 63.485, 284.923 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, 63.485, 284.923 by changing the saturation by 10% instead.


 55, 63.485,
284.923


 55, 63.485,
284.923


 100, 63.485,
284.923


 45, 63.485,
284.923


 75, 63.485,
284.923

 35, 63.485,
284.923

 85, 63.485,
284.923

 25, 63.485,
284.923

 95, 63.485,
284.923

 15, 63.485,
284.923

 5, 63.485, 284.923

 0, 63.485, 284.923

■ 55, 63.485,
284.923

■ 55, 63.485,
284.923

■ 50, 72.897,
288.656

■ 60, 54.319,
281.498

■ 46, 82.514,
292.524

■ 65, 45.366,
278.459

■ 43, 89.312,
295.142

■ 71, 36.574,
275.823

■ 76, 27.904,
273.565

■ 82, 19.336,
271.642

■ 87, 10.862,
270.012

■ 93, 2.482, 268.702

■ 98, 5.748, 88.619

100, 8.291,
109.548

Harmonies

Complementary

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



55, 63.485, 284.923



76, 64.190, 77.858

Rectangle

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



55, 63.485, 284.923



55, 63.485, 334.923



55, 63.485, 104.923



55, 63.485, 154.923

Sweetspot

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



55, 63.485, 284.924



87, 19.532, 271.485



85, 61.998, 161.192



45, 13.143, 271.971



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, 63.485, 284.924



51, 82.037, 290.720



41, 101.720, 304.215



47, 4.767, 269.507



33, 72.093, 294.491



7, 26.775, 287.897

Inverse Universe

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



56, 69.844, 3.613



56, 81.853, 9.679



90, 81.194, 109.711



47, 5.587, 352.217



39, 66.735, 14.676



8, 28.775, 5.777

Previews

White Background



This preview shows how the CIE LCh color 55, 63.485, 284.923 looks on a white background.

Color Contrast Check

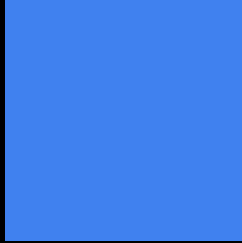
Large Text (above 18pt) WCAG AA ✓ Pass

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, 63.485, 284.923 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

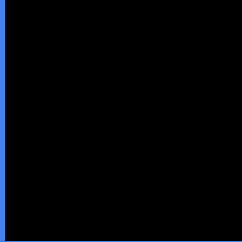
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

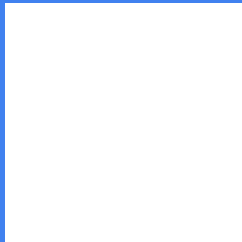
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 55, 63.485, 284.923

Background



This preview shows how black text looks on a background with the CIELCh color 55, 63.485, 284.923.



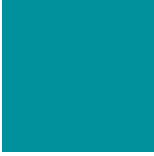
This preview shows how white text looks on a background with the CIELCh color 55, 63.485, 284.923.

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, 31.781, 208.276

Trichromacy



Original Color
55, 63.509, 284.800

Protanomaly
55, 63.362, 286.074

Deuteranomaly
55, 62.093, 279.934

Tritanomaly
54, 35.523, 248.152

Monochromacy



Original Color
55, 63.509, 284.800

Achromatopsia
51, 0.007, 296.813

Achromatomaly
52, 24.131, 274.825

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 55, 63.485, 284.923 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(64, 129, 239)` looks like.

```
.text, #text, p{  
    color:rgb(64, 129, 239)  
}
```

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(64, 129, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(64, 129, 239) }
```

Border

The CSS property to change the border of an element to CIELCh 55, 63.485, 284.923 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(64, 129, 239) }
```

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

```
.border{ border-color:rgb(64, 129, 239) }
```

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

Here you see how a box with a 4 pixel `rgb(64, 129, 239)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(64, 129, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(64, 129, 239);  
box-shadow:4px 4px 4px 4px rgb(64, 129,  
239) }
```

Background

The CSS property to change the background color of an element to CIELCh 55, 63.485, 284.923 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(64, 129, 239) }
```

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

```
.background{ background-color: rgb(64, 129,  
239) }
```

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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