

Converting Colors

CIELCh(55, 60.261, 286.217)

Have a look what the booklet for
CIELCh(55, 60.261, 286.217)
contains.

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Color

CIELCh(55, 59.917, 286.143)

Conversions

Conversions Part 1

Format	Color
Hex	5080E8
RGB	80, 128, 232
RGB Percent	31%, 50%, 91%
CMY	0.6868, 0.4984, 0.0907
CMYK	0.66, 0.45, 0.00, 0.09
HSL	221°, 77%, 61%
HSV	221°, 66%, 91%
XYZ	25.5505, 22.9298, 79.3338
YIQ	125.5040, -61.9920, 22.1680

Conversions

Conversions Part 2

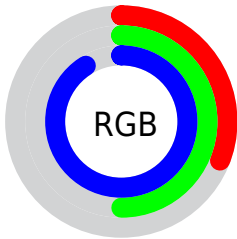
Format	Color
R _Y B	80, 116, 232
Decimal	5275880
CIE Lab	55.00, 16.66, -57.55
CIE LCh	55, 59.917, 286.143
Yxy	22.9298, 0.1999, 0.1794
Android (android.graphics.Color)	4283465960 (0xFF5080E8)
YUV	125.5040, 52.5025, -39.9070
Hunter-Lab	47.8851, 11.4449, -64.7093

Details

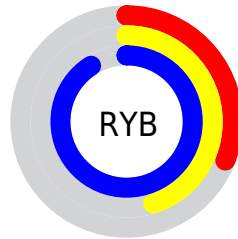
The CIELCh color **55, 59.917, 286.143** is a light color, and the websafe version is hex **6699FF**. The color can be described as light muted azure. A complement of this color would be **77, 58.156, 83.587**, and the grayscale version is **52, 0.007, 296.813**.

A 20% lighter version of the original color is **73, 41.533, 279.099**, and **36, 59.577, 288.053** is the 20% darker color. If you saturate the color by 10%, you get **50, 69.934, 289.481**, and if you desaturate by 10%, it is **60, 50.184, 283.137**.

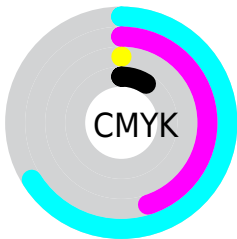
Distribution



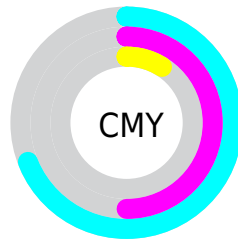
- Red (31%)
- Green (50%)
- Blue (91%)



- Red (31%)
- Yellow (45%)
- Blue (91%)



- Cyan (66%)
- Magenta (45%)
- Yellow (0%)
- Black (9%)





- Cyan (69%)
- Magenta (50%)
- Yellow (9%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 55, 59.917, 286.143 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, 59.917, 286.143 by changing the saturation by 10% instead.


 55, 59.917,
286.143


 55, 59.917,
286.143


 100, 59.917,
286.143


 45, 59.917,
286.143


 75, 59.917,
286.143


 35, 59.917,
286.143


 85, 59.917,
286.143

 25, 59.917,
286.143

 95, 59.917,
286.143

 15, 59.917,
286.143

 5, 59.917, 286.143

 0, 59.917, 286.143

■ 55, 59.917,
286.143

■ 55, 59.917,
286.143

■ 50, 69.934,
289.481

■ 60, 50.184,
283.137

■ 45, 80.189,
293.031

■ 66, 40.713,
280.502

■ 41, 90.468,
296.588

■ 72, 31.464,
278.230

■ 39, 94.950,
298.054

■ 77, 22.405,
276.287

■ 83, 13.518,
274.632

■ 89, 4.791, 273.244

■ 94, 3.780, 91.899

■ 99, 11.598,
108.929

■ 99, 11.702,
109.293

Harmonies

Complementary

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



55, 59.917, 286.143



77, 58.156, 83.587

Rectangle

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



55, 59.917, 286.143



55, 59.917, 336.143



55, 59.917, 106.143



55, 59.917, 156.143

Sweetspot

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



55, 59.916, 286.144



88, 18.847, 275.352



83, 52.506, 166.999



45, 12.891, 275.826



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, 59.916, 286.144



53, 79.371, 290.833



45, 88.785, 304.391



45, 4.870, 273.750



30, 76.704, 297.453



6, 25.996, 288.552

Inverse Universe

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



56, 62.456, 5.419



57, 77.534, 10.273



88, 73.924, 113.180



45, 5.238, 355.705



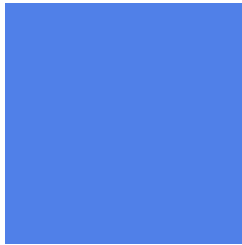
38, 66.558, 19.502



7, 26.677, 7.597

Previews

White Background



This preview shows how the CIELCh color 55, 59.917, 286.143 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, 59.917, 286.143 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

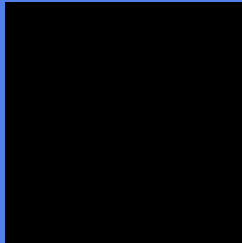
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 55, 59.917, 286.143

Background



This preview shows how black text looks on a background with the CIELCh color 55, 59.917, 286.143.



This preview shows how white text looks on a background with the CIELCh color 55, 59.917, 286.143.

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



Original Color

55, 59.917, 286.143

Protanopia

55, 59.881, 286.913

Deuteranopia

55, 57.539, 278.665



Tritanopia
55, 29.960, 210.300

Trichromacy



Original Color
55, 59.917, 286.143

Protanomaly
55, 59.907, 286.739

Deuteranomaly
55, 58.302, 281.123

Tritanomaly
55, 33.245, 249.813

Monochromacy



Original Color
55, 59.917, 286.143

Achromatopsia
52, 0.007, 296.813

Achromatomaly
53, 22.523, 278.159

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 55, 59.917, 286.143 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(80, 128, 232)` looks like.

```
.text, #text, p{  
    color:rgb(80, 128, 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(80, 128, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 128, 232) }
```

Border

The CSS property to change the border of an element to CIELCh 55, 59.917, 286.143 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(80, 128, 232) }
```

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

```
.border{ border-color:rgb(80, 128, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(80, 128, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 128, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 128, 232);  
box-shadow:4px 4px 4px 4px rgb(80, 128,  
232) }
```

Background

The CSS property to change the background color of an element to CIELCh 55, 59.917, 286.143 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 128, 232) }
```

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

```
.background{ background-color: rgb(80, 128,  
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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