

Converting Colors

CIELCh(56, 55.212, 285.434)

Have a look what the booklet for
CIELCh(56, 55.212, 285.434)
contains.

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Color

CIELCh(56, 55.212, 285.434)

Conversions

Conversions Part 1

Format	Color
Hex	5983E3
RGB	89, 131, 227
RGB Percent	35%, 51%, 89%
CMY	0.6508, 0.4862, 0.1097
CMYK	0.61, 0.42, 0.00, 0.11
HSL	222°, 71%, 62%
HSV	222°, 61%, 89%
XYZ	26.1115, 23.9124, 75.9327
YIQ	129.3860, -55.8480, 20.9520

Conversions

Conversions Part 2

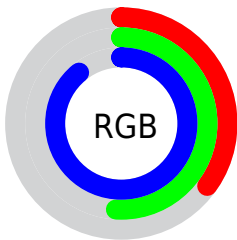
Format	Color
R _Y B	89, 121, 227
Decimal	5866467
CIE Lab	56.00, 14.69, -53.22
CIE LCh	56, 55.212, 285.434
Yxy	23.9124, 0.2073, 0.1898
Android (android.graphics.Color)	4284056547 (0xFF5983E3)
YUV	129.3860, 48.1237, -35.4185
Hunter-Lab	48.9003, 9.7388, -57.8356

Details

The CIELCh color **56, 55.212, 285.434** 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, 53.564, 85.270**, and the grayscale version is **54, 0.007, 296.813**.

A 20% lighter version of the original color is **75, 39.233, 278.549**, and **36, 55.433, 285.745** is the 20% darker color. If you saturate the color by 10%, you get **51, 65.134, 288.584**, and if you desaturate by 10%, it is **61, 45.576, 282.635**.

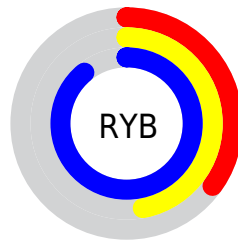
Distribution



Red (35%)

Green (51%)

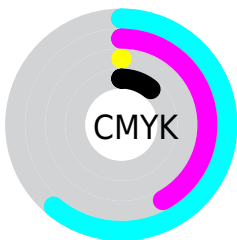
Blue (89%)



Red (35%)

Yellow (47%)

Blue (89%)

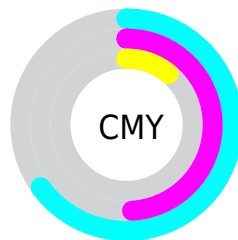


Cyan (61%)

Magenta (42%)

Yellow (0%)

Black (11%)



Cyan (65%)


Magenta (49%)


Yellow (11%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 56, 55.212, 285.434 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 56, 55.212, 285.434 by changing the saturation by 10% instead.


 56, 55.212,
285.434


 56, 55.212,
285.434


 100, 55.212,
285.434


 46, 55.212,
285.434


 76, 55.212,
285.434

 36, 55.212,
285.434

 86, 55.212,
285.434

 26, 55.212,
285.434

 96, 55.212,
285.434

 16, 55.212,
285.434

 6, 55.212, 285.434

 0, 55.212, 285.434

■ 56, 55.212,
285.434

■ 56, 55.212,
285.434

■ 51, 65.134,
288.584

■ 61, 45.576,
282.635

■ 46, 75.329,
292.002

■ 67, 36.198,
280.201

■ 41, 85.649,
295.522

■ 73, 27.041,
278.111

■ 38, 94.973,
298.598

■ 78, 18.078,
276.326

■ 84, 9.292, 274.809

■ 90, 0.676, 273.830

■ 95, 7.776, 92.307

■ 99, 14.153,
109.108

Harmonies

Complementary

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



56, 55.212, 285.434



77, 53.564, 85.270

Rectangle

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



56, 55.212, 285.434



56, 55.212, 335.434



56, 55.212, 105.434



56, 55.212, 155.434

Sweetspot

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



56, 55.211, 285.435



89, 17.162, 275.897



82, 48.757, 167.772



46, 11.959, 276.369



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



56, 55.211, 285.435



55, 74.079, 289.482



47, 80.609, 303.743



45, 4.933, 274.628



29, 78.066, 298.053



5, 26.340, 289.042

Inverse Universe

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



57, 57.396, 4.958



59, 73.402, 8.911



86, 68.336, 113.363



45, 5.207, 356.506



37, 66.906, 20.567



7, 26.663, 8.262

Previews

White Background



This preview shows how the CIELCh color 56, 55.212, 285.434 looks on a white background.

Color Contrast Check

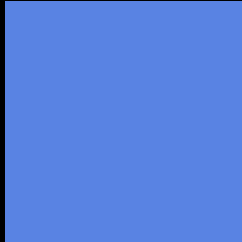
Large Text (above 18pt) WCAG AA ✓ Pass

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 56, 55.212, 285.434 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

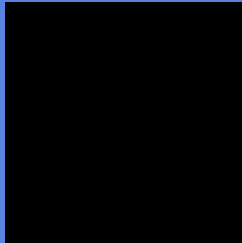
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

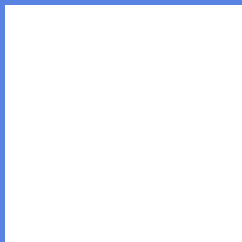
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 56, 55.212, 285.434

Background



This preview shows how black text looks on a background with the CIELCh color 56, 55.212, 285.434.



This preview shows how white text looks on a background with the CIELCh color 56, 55.212, 285.434.

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


56, 55.212, 285.434

Protanopia

56, 55.130, 286.568

Deuteranopia

56, 53.162, 279.164



Tritanopia
56, 26.528, 212.343

Trichromacy



Original Color
56, 55.212, 285.434

Protanomaly
56, 55.158, 286.351

Deuteranomaly
56, 53.419, 281.110

Tritanomaly
56, 30.261, 251.526

Monochromacy



Original Color
56, 55.212, 285.434

Achromatopsia
54, 0.007, 296.813

Achromatomaly
54, 20.691, 277.318

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 56, 55.212, 285.434 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(89, 131, 227)` looks like.

```
.text, #text, p{  
    color:rgb(89, 131, 227)  
}
```

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(89, 131, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(89, 131, 227) }
```

Border

The CSS property to change the border of an element to CIELCh 56, 55.212, 285.434 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(89, 131, 227) }
```

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

```
.border{ border-color:rgb(89, 131, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(89, 131, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(89, 131, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(89, 131, 227);  
box-shadow:4px 4px 4px 4px rgb(89, 131,  
227) }
```

Background

The CSS property to change the background color of an element to CIELCh 56, 55.212, 285.434 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(89, 131, 227) }
```

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

```
.background{ background-color: rgb(89, 131,  
227) }
```

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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