

Converting Colors

CIELCh(55, 51.078, 283.714)

Have a look what the booklet for
CIELCh(55, 51.078, 283.714)
contains.

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Color

CIELCh(55, 50.969, 283.525)

Conversions

Conversions Part 1

Format	Color
Hex	5782DA
RGB	87, 130, 218
RGB Percent	34%, 51%, 85%
CMY	0.6603, 0.4915, 0.1465
CMYK	0.60, 0.40, 0.00, 0.15
HSL	220°, 64%, 60%
HSV	220°, 60%, 85%
XYZ	24.4413, 22.9298, 69.2186
YIQ	127.1750, -53.8760, 18.2520

Conversions

Conversions Part 2

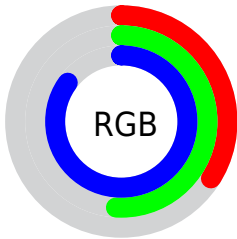
Format	Color
R _Y B	87, 119, 218
Decimal	5735130
CIE Lab	55.00, 11.92, -49.56
CIE LCh	55, 50.969, 283.525
Yxy	22.9298, 0.2096, 0.1967
Android (android.graphics.Color)	4283925210 (0xFF5782DA)
YUV	127.1750, 44.7767, -35.2335
Hunter-Lab	47.8851, 7.3101, -52.1850

Details

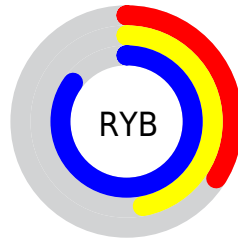
The CIELCh color **55, 50.969, 283.525** is a dark color, and the websafe version is hex **6699FF**. The color can be described as middle muted azure. A complement of this color would be **74, 50.535, 83.381**, and the grayscale version is **53, 0.007, 296.813**.

A 20% lighter version of the original color is **74, 39.895, 278.124**, and **35, 50.935, 283.583** is the 20% darker color. If you saturate the color by 10%, you get **50, 60.108, 286.710**, and if you desaturate by 10%, it is **60, 42.072, 280.708**.

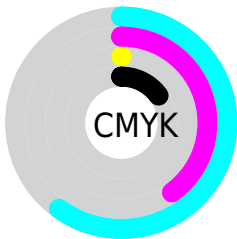
Distribution



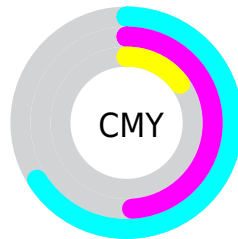
- Red (34%)
- Green (51%)
- Blue (85%)



- Red (34%)
- Yellow (47%)
- Blue (85%)



- Cyan (60%)
- Magenta (40%)
- Yellow (0%)
- Black (15%)





- Cyan (66%)
- Magenta (49%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 55, 50.969, 283.525 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, 50.969, 283.525 by changing the saturation by 10% instead.


 55, 50.969,
283.525


 55, 50.969,
283.525


 100, 50.969,
283.525


 45, 50.969,
283.525


 75, 50.969,
283.525

 35, 50.969,
283.525

 85, 50.969,
283.525

 25, 50.969,
283.525

 95, 50.969,
283.525

 15, 50.969,
283.525

 5, 50.969, 283.525

 0, 50.969, 283.525

■ 55, 50.969,
283.525

■ 55, 50.969,
283.525

■ 50, 60.108,
286.710

■ 60, 42.072,
280.708

■ 45, 69.504,
290.194

■ 65, 33.382,
278.265

■ 41, 79.083,
293.826

■ 71, 24.863,
276.170

■ 37, 88.424,
297.251

■ 76, 16.495,
274.383

■ 81, 8.266, 272.865

■ 87, 0.171, 273.001

■ 92, 7.790, 90.352

■ 97, 15.035, 97.074

■ 99, 18.889,

Harmonies

Complementary

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



55, 50.969, 283.525



74, 50.535, 83.381

Rectangle

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



55, 50.969, 283.525



55, 50.969, 333.525



55, 50.969, 103.525



55, 50.969, 153.525

Sweetspot

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



55, 50.968, 283.526



89, 16.686, 274.052



79, 47.513, 166.728



46, 11.622, 274.531



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, 50.968, 283.526



57, 70.307, 287.538



46, 77.121, 303.252



43, 4.626, 272.760



29, 73.440, 296.689



5, 22.749, 285.611

Inverse Universe

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



55, 55.207, 2.912



59, 72.670, 6.581



83, 65.383, 112.621



43, 5.079, 354.837



36, 64.766, 18.192



6, 23.982, 5.405

Previews

White Background



This preview shows how the CIELCh color 55, 50.969, 283.525 looks on a white background.

Color Contrast Check

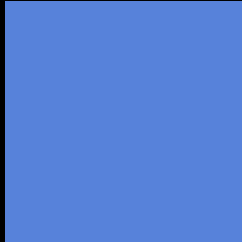
Large Text (above 18pt) WCAG AA ✓ Pass

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, 50.969, 283.525 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

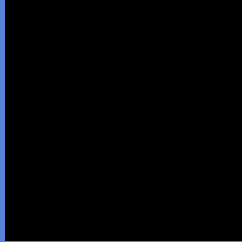
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

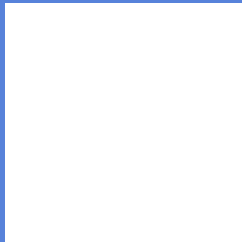
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 55, 50.969, 283.525

Background



This preview shows how black text looks on a background with the CIELCh color 55, 50.969, 283.525.



This preview shows how white text looks on a background with the CIELCh color 55, 50.969, 283.525.

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, 50.969, 283.525

Protanopia

55, 50.759, 286.080

Deuteranopia

55, 49.785, 279.509



Tritanopia
55, 25.723, 212.928

Trichromacy



Original Color
55, 50.969, 283.525

Protanomaly
55, 50.825, 285.018

Deuteranomaly
55, 50.171, 280.932

Tritanomaly
55, 29.276, 250.623

Monochromacy



Original Color
55, 50.969, 283.525

Achromatopsia
53, 0.007, 296.813

Achromatomaly
53, 19.103, 275.648

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 55, 50.969, 283.525 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(87, 130, 218)` looks like.

```
.text, #text, p{  
    color:rgb(87, 130, 218)  
}
```

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(87, 130, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 130, 218) }
```

Border

The CSS property to change the border of an element to CIELCh 55, 50.969, 283.525 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(87, 130, 218) }
```

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

```
.border{ border-color:rgb(87, 130, 218) }
```

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

Here you see how a box with a 4 pixel `rgb(87, 130, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 130, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 130, 218);  
box-shadow:4px 4px 4px 4px rgb(87, 130,  
218) }
```

Background

The CSS property to change the background color of an element to CIELCh 55, 50.969, 283.525 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 130, 218) }
```

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

```
.background{ background-color: rgb(87, 130,  
218) }
```

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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