

Converting Colors

CIELCh(55, 76.778, 286.030)

Have a look what the booklet for
CIELCh(55, 76.778, 286.030)
contains.

CIELCh(55, 73.371, 284.838)	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, 73.371, 284.838)

Conversions

Conversions Part 1

Format	Color
Hex	0581FF
RGB	5, 129, 255
RGB Percent	2%, 51%, 100%
CMY	0.9795, 0.4953, 0.0000
CMYK	0.98, 0.50, 0.00, 0.00
HSL	210°, 100%, 51%
HSV	210°, 98%, 100%
XYZ	26.0599, 22.9298, 98.3610
YIQ	106.2880, -114.3500, 12.8980

Conversions

Conversions Part 2

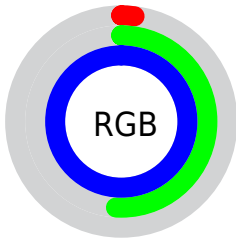
Format	Color
R _Y B	5, 88, 255
Decimal	360959
CIE Lab	55.00, 18.79, -70.92
CIE LCh	55, 73.371, 284.838
Yxy	22.9298, 0.1769, 0.1556
Android (android.graphics.Color)	4278551039 (0xFF0581FF)
YUV	106.2880, 73.3150, -88.8296
Hunter-Lab	47.8851, 13.3437, -88.2682

Details

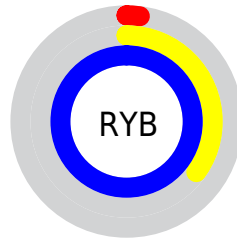
The CIELCh color **55, 73.371, 284.838** is a dark color, and the websafe version is hex **0066CC**. The color can be described as dark saturated azure. A complement of this color would be **68, 84.407, 60.842**, and the grayscale version is **45, 0.006, 296.813**.

A 20% lighter version of the original color is **72, 43.116, 269.084**, and **38, 70.859, 291.806** is the 20% darker color. If you saturate the color by 10%, you get **54, 74.513, 285.573**, and if you desaturate by 10%, it is **59, 65.456, 280.086**.

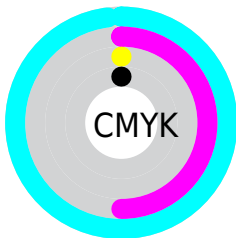
Distribution



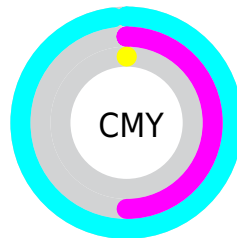
- Red (2%)
- Green (51%)
- Blue (100%)



- Red (2%)
- Yellow (35%)
- Blue (100%)



- Cyan (98%)
- Magenta (50%)
- Yellow (0%)
- Black (0%)





- Cyan (98%)
- Magenta (50%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 55, 73.371, 284.838 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, 73.371, 284.838 by changing the saturation by 10% instead.


 55, 73.371,
284.838


 55, 73.371,
284.838


 100, 73.371,
284.838


 45, 73.371,
284.838


 75, 73.371,
284.838

 35, 73.371,
284.838

 85, 73.371,
284.838

 25, 73.371,
284.838

 95, 73.371,
284.838

 15, 73.371,
284.838

 5, 73.371, 284.838

 0, 73.371, 284.838

■ 55, 73.371,
284.838

■ 55, 73.371,
284.838

■ 54, 74.513,
285.573

■ 59, 65.456,
280.086

■ 63, 58.191,
275.681

■ 67, 51.026,
271.668

■ 72, 43.848,
268.141

■ 76, 36.577,
265.115

■ 81, 29.174,
262.556

■ 86, 21.633,
260.409

■ 91, 13.972,

258.614

■ 96, 6.217, 257.135

Harmonies

Complementary

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



55, 73.371, 284.838



68, 84.407, 60.842

Rectangle

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



55, 73.371, 284.838



55, 73.371, 334.838



55, 73.371, 104.838



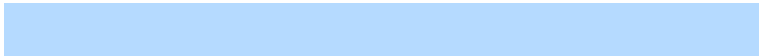
55, 73.371, 154.838

Sweetspot

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



55, 72.934, 284.672



85, 22.435, 260.618



89, 88.891, 149.115



43, 15.351, 261.504



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, 72.934, 284.672



54, 74.513, 285.573



33, 132.924, 306.163



51, 4.445, 257.343



41, 58.975, 284.739



12, 23.977, 278.229

Inverse Universe

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



55, 84.348, 2.609



55, 84.571, 3.497



97, 96.554, 102.877



50, 6.359, 344.718



41, 68.190, 2.654



10, 31.816, 356.966

Previews

White Background



This preview shows how the CIELCh color 55, 73.371, 284.838 looks on a white background.

Color Contrast Check

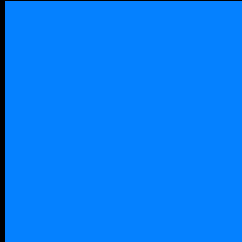
Large Text (above 18pt) WCAG AA ✓ Pass

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, 73.371, 284.838 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

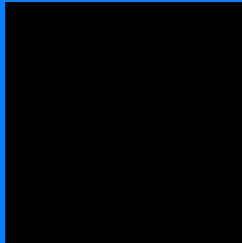
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

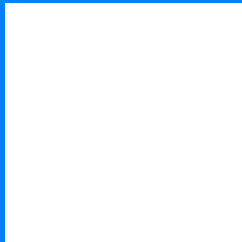
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 55, 73.371, 284.838

Background



This preview shows how black text looks on a background with the CIELCh color 55, 73.371, 284.838.



This preview shows how white text looks on a background with the CIELCh color 55, 73.371, 284.838.

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, 31.832, 207.165

Trichromacy



Original Color
55, 72.764, 284.553

Protanomaly
55, 72.608, 286.100

Deuteranomaly
55, 64.330, 280.359

Tritanomaly
54, 37.821, 250.981

Monochromacy



Original Color
55, 72.764, 284.553

Achromatopsia
45, 0.006, 296.813

Achromatomaly
47, 29.522, 267.232

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 55, 73.371, 284.838 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(5, 129, 255)` looks like.

```
.text, #text, p{  
    color:rgb(5, 129, 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(5, 129, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(5, 129, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 55, 73.371, 284.838 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(5, 129, 255) }
```

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

```
.border{ border-color:rgb(5, 129, 255) }
```

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

Here you see how a box with a 4 pixel rgb(5, 129, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(5, 129, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(5, 129, 255);  
box-shadow:4px 4px 4px 4px rgb(5, 129,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 55, 73.371, 284.838 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(5, 129, 255) }
```

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

```
.background{ background-color: rgb(5, 129,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor