

Converting Colors

CIELCh(55, 66.994, 281.420)

Have a look what the booklet for
CIELCh(55, 66.994, 281.420)
contains.

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Color

CIELCh(55, 66.935, 281.592)

Conversions

Conversions Part 1

Format	Color
Hex	0183F6
RGB	1, 131, 246
RGB Percent	0%, 51%, 96%
CMY	0.9967, 0.4858, 0.0348
CMYK	1.00, 0.47, 0.00, 0.03
HSL	208°, 99%, 48%
HSV	208°, 100%, 97%
XYZ	24.7958, 22.9298, 90.4127
YIQ	105.2400, -114.3950, 8.2050

Conversions

Conversions Part 2

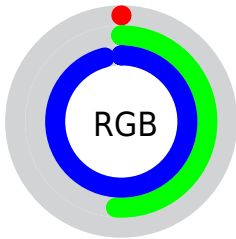
Format	Color
R _Y B	1, 86, 246
Decimal	99318
CIE Lab	55.00, 13.45, -65.57
CIE LCh	55, 66.935, 281.592
Yxy	22.9298, 0.1795, 0.1660
Android (android.graphics.Color)	4278289398 (0xFF0183F6)
YUV	105.2400, 69.3947, -91.4185
Hunter-Lab	47.8851, 8.6316, -78.4269

Details

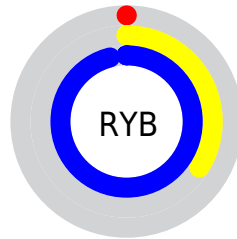
The CIELCh color **55, 66.935, 281.592** is a dark color, and the websafe version is hex **3399FF**. The color can be described as dark saturated azure. A complement of this color would be **63, 84.321, 57.460**, and the grayscale version is **44, 0.006, 296.813**.

A 20% lighter version of the original color is **72, 42.536, 266.777**, and **38, 65.032, 289.551** is the 20% darker color. If you saturate the color by 10%, you get **55, 67.163, 281.749**, and if you desaturate by 10%, it is **58, 60.479, 276.843**.

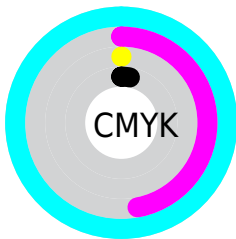
Distribution



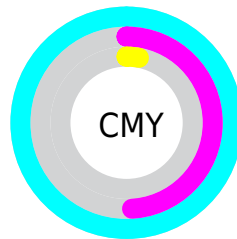
- Red (0%)
- Green (51%)
- Blue (96%)



- Red (0%)
- Yellow (34%)
- Blue (96%)



- Cyan (100%)
- Magenta (47%)
- Yellow (0%)
- Black (3%)





- Cyan (100%)
- Magenta (49%)
- Yellow (3%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 55, 66.935, 281.592 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, 66.935, 281.592 by changing the saturation by 10% instead.


 55, 66.935,
281.592


 55, 66.935,
281.592


 100, 66.935,
281.592


 45, 66.935,
281.592


 75, 66.935,
281.592

 35, 66.935,
281.592

 85, 66.935,
281.592

 25, 66.935,
281.592

 95, 66.935,
281.592

 15, 66.935,
281.592

 5, 66.935, 281.592

 0, 66.935, 281.592

■ 55, 66.935,
281.592

■ 55, 66.935,
281.592

■ 55, 67.163,
281.749

■ 58, 60.479,
276.843

■ 62, 54.211,
272.257

■ 66, 47.977,
268.095

■ 70, 41.652,
264.455

■ 74, 35.151,
261.349

■ 79, 28.437,
258.739

■ 83, 21.511,
256.562

■ 88, 14.398,

254.756

■ 92, 7.133, 253.271

Harmonies

Complementary

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



55, 66.935, 281.592



63, 84.321, 57.460

Rectangle

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



55, 66.935, 281.592



55, 66.935, 331.592



55, 66.935, 101.592



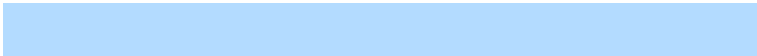
55, 66.935, 151.592

Sweetspot

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



55, 66.935, 281.594



86, 22.384, 256.642



86, 90.309, 147.166



44, 15.200, 257.519



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, 66.935, 281.594



57, 69.114, 281.844



31, 128.806, 305.987



49, 4.180, 253.248



42, 53.563, 280.870



11, 20.980, 273.322

Inverse Universe

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



53, 82.843, 359.727



55, 85.105, 359.944



92, 91.960, 100.682



48, 6.303, 342.746



40, 67.328, 359.100



9, 30.577, 353.515

Previews

White Background



This preview shows how the CIE LCh color 55, 66.935, 281.592 looks on a white background.

Color Contrast Check

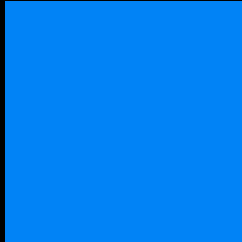
Large Text (above 18pt) WCAG AA ✓ Pass

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, 66.935, 281.592 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

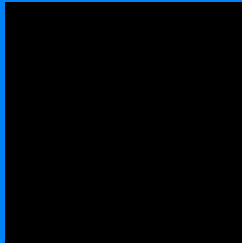
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

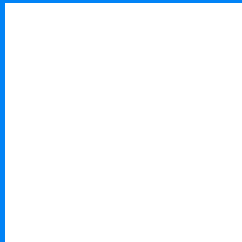
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 55, 66.935, 281.592

Background



This preview shows how black text looks on a background with the CIELCh color 55, 66.935, 281.592.



This preview shows how white text looks on a background with the CIELCh color 55, 66.935, 281.592.

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, 66.930, 281.615

Protanopia

55, 66.108, 287.221

Deuteranopia

55, 59.144, 276.761



Tritanopia
55, 32.058, 205.997

Trichromacy



Original Color
55, 66.930, 281.615

Protanomaly
55, 67.121, 284.465

Deuteranomaly
55, 61.707, 278.501

Tritanomaly
55, 36.395, 246.308

Monochromacy



Original Color
55, 66.930, 281.615

Achromatopsia
44, 0.006, 296.813

Achromatomaly
46, 27.759, 263.404

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 55, 66.935, 281.592 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(1, 131, 246)` looks like.

```
.text, #text, p{  
    color:rgb(1, 131, 246)  
}
```

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(1, 131, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 131, 246) }
```

Border

The CSS property to change the border of an element to CIELCh 55, 66.935, 281.592 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(1, 131, 246) }
```

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

```
.border{ border-color:rgb(1, 131, 246) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 131, 246)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 131, 246); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 131, 246);  
box-shadow:4px 4px 4px 4px rgb(1, 131,  
246) }
```

Background

The CSS property to change the background color of an element to CIELCh 55, 66.935, 281.592 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 131, 246) }
```

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

```
.background{ background-color: rgb(1, 131,  
246) }
```

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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