

Converting Colors

CIELCh(64, 55.678, 283.477)

Have a look what the booklet for
CIELCh(64, 55.678, 283.477)
contains.

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Color

CIELCh(64, 55.678, 283.477)

Conversions

Conversions Part 1

Format	Color
Hex	6A99FC
RGB	106, 153, 252
RGB Percent	42%, 60%, 99%
CMY	0.5850, 0.4006, 0.0124
CMYK	0.58, 0.39, 0.00, 0.01
HSL	221°, 96%, 70%
HSV	221°, 58%, 99%
XYZ	34.8307, 32.8017, 96.4469
YIQ	150.2330, -59.7910, 20.8250

Conversions

Conversions Part 2

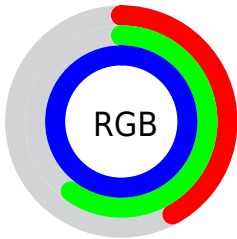
Format	Color
R _Y B	106, 142, 252
Decimal	6986236
CIE Lab	64.00, 12.98, -54.14
CIE LCh	64, 55.678, 283.477
Yxy	32.8017, 0.2123, 0.1999
Android (android.graphics.Color)	4285176316 (0xFF6A99FC)
YUV	150.2330, 50.1711, -38.7923
Hunter-Lab	57.2727, 8.3284, -59.7531

Details

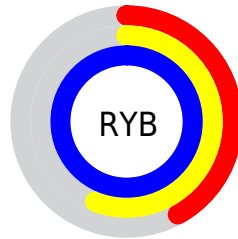
The CIELCh color **64, 55.678, 283.477** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **85, 55.025, 84.185**, and the grayscale version is **62, 0.008, 296.813**.

A 20% lighter version of the original color is **82, 27.919, 265.444**, and **44, 55.560, 283.271** is the 20% darker color. If you saturate the color by 10%, you get **58, 66.045, 286.611**, and if you desaturate by 10%, it is **70, 45.590, 280.718**.

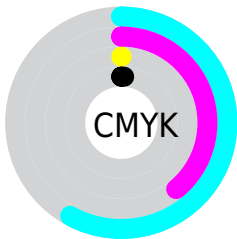
Distribution



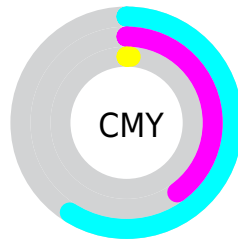
- Red (42%)
- Green (60%)
- Blue (99%)



- Red (42%)
- Yellow (56%)
- Blue (99%)



- Cyan (58%)
- Magenta (39%)
- Yellow (0%)
- Black (1%)



- Cyan (59%)
- Magenta (40%)
- Yellow (1%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 64, 55.678, 283.477 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 64, 55.678, 283.477 by changing the saturation by 10% instead.

 64, 55.678,
283.477

 64, 55.678,
283.477

 100, 55.678,
283.477


 54, 55.678,
283.477


 84, 55.678,
283.477

 44, 55.678,
283.477

 94, 55.678,
283.477

 34, 55.678,
283.477

 24, 55.678,
283.477

 14, 55.678,
283.477

 4, 55.678, 283.477

 0, 55.678, 283.477

■ 64, 55.678,
283.477

■ 64, 55.678,
283.477

■ 58, 66.045,
286.611

■ 70, 45.590,
280.718

■ 53, 76.712,
290.059

■ 76, 35.741,
278.333

■ 48, 87.601,
293.681

■ 82, 26.093,
276.293

■ 43, 98.442,
297.236

■ 88, 16.623,
274.555

■ 43, 100.594,
297.896

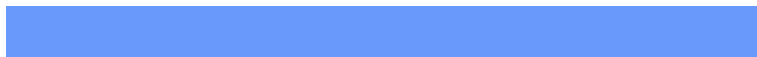
■ 94, 7.319, 273.086

100, 1.598,
110.010

Harmonies

Complementary

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



64, 55.678, 283.477



85, 55.025, 84.185

Rectangle

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



64, 55.678, 283.477



64, 55.678, 333.477



64, 55.678, 103.477



64, 55.678, 153.477

Sweetspot

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



64, 55.677, 283.478



90, 15.866, 274.401



90, 51.820, 166.995



46, 10.630, 274.723



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



64, 55.677, 283.478



58, 68.877, 287.302



54, 83.436, 303.006



49, 5.187, 273.290



32, 79.514, 297.270



7, 31.122, 291.879

Inverse Universe

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



64, 59.942, 2.974



60, 71.109, 6.435



95, 71.192, 112.704



49, 5.636, 355.297



40, 69.263, 19.184



9, 30.513, 10.510

Previews

White Background



This preview shows how the CIELCh color 64, 55.678, 283.477 looks on a white background.

Color Contrast Check

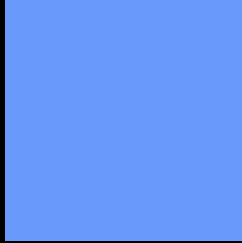
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIE LCh color 64, 55.678, 283.477 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

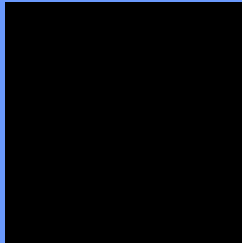
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

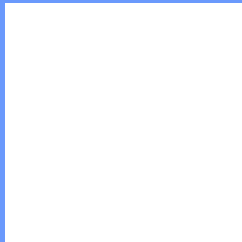
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 64, 55.678, 283.477

Background



This preview shows how black text looks on a background with the CIELCh color 64, 55.678, 283.477.



This preview shows how white text looks on a background with the CIELCh color 64, 55.678, 283.477.

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

64, 55.678, 283.477

Protanopia

64, 55.430, 286.039

Deuteranopia

64, 54.501, 279.996



Tritanopia
64, 27.537, 212.729

Trichromacy



Original Color
64, 55.678, 283.477

Protanomaly
64, 55.498, 285.068

Deuteranomaly
64, 54.872, 281.308

Tritanomaly
64, 31.708, 251.285

Monochromacy



Original Color
64, 55.678, 283.477

Achromatopsia
62, 0.008, 296.813

Achromatomaly
62, 20.787, 276.365

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 64, 55.678, 283.477 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(106, 153, 252)` looks like.

```
.text, #text, p{  
    color:rgb(106, 153, 252)  
}
```

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(106, 153, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 153, 252) }
```

Border

The CSS property to change the border of an element to CIELCh 64, 55.678, 283.477 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(106, 153, 252) }
```

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

```
.border{ border-color:rgb(106, 153, 252) }
```

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

Here you see how a box with a 4 pixel `rgb(106, 153, 252)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(106, 153, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(106, 153, 252);  
box-shadow:4px 4px 4px 4px rgb(106, 153,  
252) }
```

Background

The CSS property to change the background color of an element to CIELCh 64, 55.678, 283.477 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(106, 153, 252) }
```

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

```
.background{ background-color: rgb(106,  
153, 252) }
```

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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