

Converting Colors

CIELCh(64, 56.906, 279.413)

Have a look what the booklet for
CIELCh(64, 56.906, 279.413)
contains.

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Color

CIELCh(64, 56.906, 279.413)

Conversions

Conversions Part 1

Format	Color
Hex	569BFF
RGB	86, 155, 255
RGB Percent	34%, 61%, 100%
CMY	0.6609, 0.3908, 0.0000
CMYK	0.66, 0.39, 0.00, 0.00
HSL	215°, 100%, 67%
HSV	215°, 66%, 100%
XYZ	33.7702, 32.8017, 99.4834
YIQ	145.7690, -73.2240, 16.4720

Conversions

Conversions Part 2

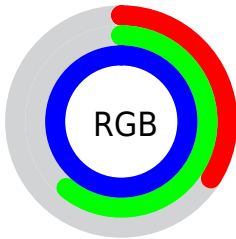
Format	Color
R _{YB}	86, 135, 255
Decimal	5676031
CIE Lab	64.00, 9.31, -56.14
CIE LCh	64, 56.906, 279.413
Yxy	32.8017, 0.2034, 0.1975
Android (android.graphics.Color)	4283866111 (0xFF569BFF)
YUV	145.7690, 53.8509, -52.4174
Hunter-Lab	57.2727, 5.0230, -62.8965

Details

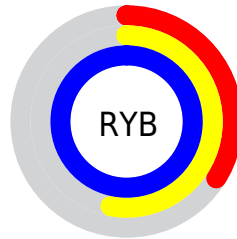
The CIELCh color **64, 56.906, 279.413** is a light color, and the websafe version is hex **6699FF**. The color can be described as light muted azure. A complement of this color would be **80, 60.764, 75.387**, and the grayscale version is **60, 0.008, 296.813**.

A 20% lighter version of the original color is **81, 29.405, 255.358**, and **44, 56.402, 281.171** is the 20% darker color. If you saturate the color by 10%, you get **59, 65.629, 283.000**, and if you desaturate by 10%, it is **69, 47.957, 276.035**.

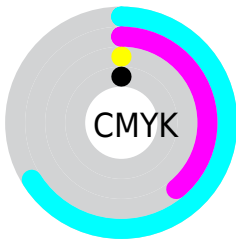
Distribution



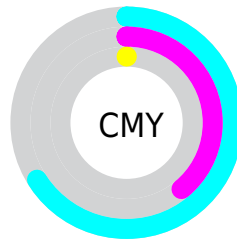
- Red (34%)
- Green (61%)
- Blue (100%)



- Red (34%)
- Yellow (53%)
- Blue (100%)



- Cyan (66%)
- Magenta (39%)
- Yellow (0%)
- Black (0%)





- Cyan (66%)
- Magenta (39%)
- Yellow (0%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 64, 56.906, 279.413 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, 56.906, 279.413 by changing the saturation by 10% instead.

 64, 56.906,
279.413

 64, 56.906,
279.413


 100, 56.906,
279.413


 54, 56.906,
279.413


 84, 56.906,
279.413

 44, 56.906,
279.413

 94, 56.906,
279.413

 34, 56.906,
279.413

 24, 56.906,
279.413

 14, 56.906,
279.413

 4, 56.906, 279.413

 0, 56.906, 279.413

■ 64, 56.906,
279.413

■ 64, 56.906,
279.413

■ 59, 65.629,
283.000

■ 69, 47.957,
276.035

■ 54, 74.777,
286.991

■ 74, 39.307,
273.189

■ 50, 84.151,
291.097

■ 80, 30.715,
270.755

■ 48, 87.865,
292.629

■ 85, 22.159,
268.689

■ 91, 13.636,
266.941

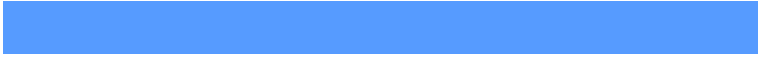
■ 97, 5.153, 265.488

■ 100, 0.012,
296.813

Harmonies

Complementary

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



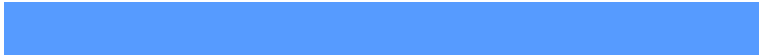
64, 56.906, 279.413



80, 60.764, 75.387

Rectangle

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



64, 56.906, 279.413



64, 56.906, 329.413



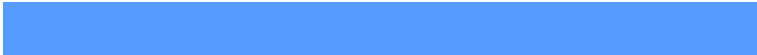
64, 56.906, 99.413



64, 56.906, 149.413

Sweetspot

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



64, 56.709, 279.314



89, 16.963, 267.589



90, 62.764, 160.343



46, 11.580, 268.083



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, 56.709, 279.314



58, 68.264, 284.136



48, 97.208, 302.543



50, 4.811, 265.947



36, 69.474, 291.901



10, 27.928, 286.108

Inverse Universe

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



62, 69.044, 358.564



58, 77.781, 2.514



96, 79.404, 108.308



50, 6.020, 349.699



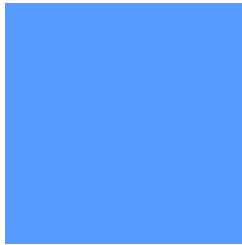
41, 68.228, 10.964



10, 31.319, 4.053

Previews

White Background



This preview shows how the CIELCh color 64, 56.906, 279.413 looks on a white background.

Color Contrast Check

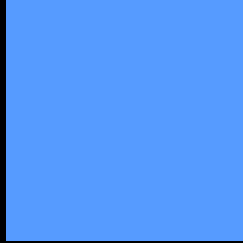
Large Text (above 18pt) WCAG AA × Fail

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, 56.906, 279.413 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

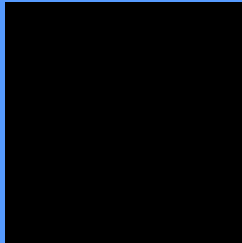
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

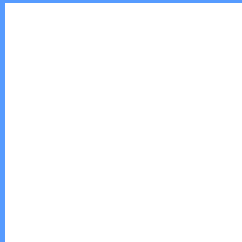
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 64, 56.906, 279.413

Background



This preview shows how black text looks on a background with the CIELCh color 64, 56.906, 279.413.



This preview shows how white text looks on a background with the CIELCh color 64, 56.906, 279.413.

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
64, 33.273, 210.609

Trichromacy



Original Color
64, 56.906, 279.413

Protanomaly
64, 55.749, 283.058

Deuteranomaly
64, 56.868, 279.579

Tritanomaly
64, 35.306, 243.720

Monochromacy



Original Color
64, 56.906, 279.413

Achromatopsia
61, 0.008, 296.813

Achromatomaly
61, 22.085, 270.514

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 64, 56.906, 279.413 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(86, 155, 255)` looks like.

```
.text, #text, p{  
    color:rgb(86, 155, 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(86, 155, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(86, 155, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 64, 56.906, 279.413 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(86, 155, 255) }
```

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

```
.border{ border-color:rgb(86, 155, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(86, 155, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(86, 155, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(86, 155, 255);  
box-shadow:4px 4px 4px 4px rgb(86, 155,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 64, 56.906, 279.413 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(86, 155, 255) }
```

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

```
.background{ background-color: rgb(86, 155,  
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](#).

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