

Converting Colors

CIELCh(64, 58.103, 283.895)

Have a look what the booklet for
CIELCh(64, 58.103, 283.895)
contains.

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Color

CIELCh(64, 57.360, 283.487)

Conversions

Conversions Part 1

Format	Color
Hex	6799FF
RGB	103, 153, 255
RGB Percent	40%, 60%, 100%
CMY	0.5969, 0.4007, 0.0008
CMYK	0.60, 0.40, 0.00, 0.00
HSL	220°, 100%, 70%
HSV	220°, 60%, 100%
XYZ	34.9482, 32.8017, 98.9284
YIQ	149.6780, -62.5420, 21.1220

Conversions

Conversions Part 2

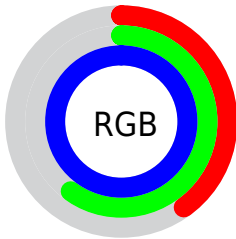
Format	Color
R _Y B	103, 141, 255
Decimal	6789631
CIE Lab	64.00, 13.38, -55.78
CIE LCh	64, 57.360, 283.487
Yxy	32.8017, 0.2097, 0.1968
Android (android.graphics.Color)	4284979711 (0xFF6799FF)
YUV	149.6780, 51.9237, -40.9366
Hunter-Lab	57.2727, 8.6945, -62.3219

Details

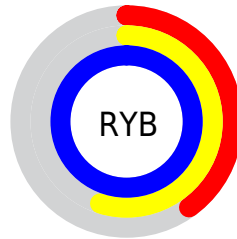
The CIELCh color **64, 57.360, 283.487** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **85, 56.897, 83.342**, and the grayscale version is **62, 0.008, 296.813**.

A 20% lighter version of the original color is **82, 28.155, 264.387**, and **44, 57.337, 283.427** is the 20% darker color. If you saturate the color by 10%, you get **58, 67.737, 286.703**, and if you desaturate by 10%, it is **70, 47.260, 280.646**.

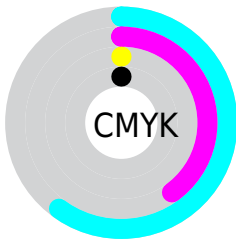
Distribution



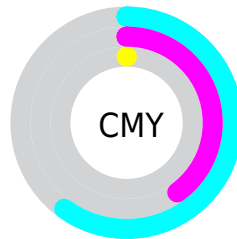
- Red (40%)
- Green (60%)
- Blue (100%)



- Red (40%)
- Yellow (55%)
- Blue (100%)



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



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


Brightness & Saturation Gradients

These gradients show how the CIELCh color 64, 57.360, 283.487 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, 57.360, 283.487 by changing the saturation by 10% instead.

 64, 57.360,
283.487

 64, 57.360,
283.487

 100, 57.360,
283.487

 54, 57.360,
283.487


 84, 57.360,
283.487

 44, 57.360,
283.487

 94, 57.360,
283.487

 34, 57.360,
283.487

 24, 57.360,
283.487

 14, 57.360,
283.487

 4, 57.360, 283.487

 0, 57.360, 283.487

■ 64, 57.360,
283.487

■ 64, 57.360,
283.487

■ 58, 67.737,
286.703

■ 70, 47.260,
280.646

■ 53, 78.409,
290.222

■ 76, 37.394,
278.186

■ 48, 89.287,
293.891

■ 82, 27.725,
276.079

■ 44, 100.092,
297.434

■ 88, 18.227,
274.285

■ 44, 100.455,
297.545

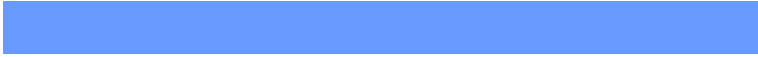
■ 94, 8.887, 272.764

■ 100, 0.089,
109.308

Harmonies

Complementary

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



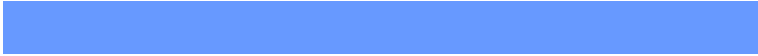
64, 57.360, 283.487



85, 56.897, 83.342

Rectangle

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



64, 57.360, 283.487



64, 57.360, 333.487



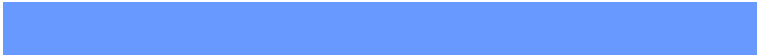
64, 57.360, 103.487



64, 57.360, 153.487

Sweetspot

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



64, 57.359, 283.488



89, 16.677, 274.014



91, 53.511, 166.729



46, 11.616, 274.494



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, 57.359, 283.488



57, 70.254, 287.505



53, 86.852, 303.250



50, 5.233, 272.743



33, 79.510, 296.921



8, 31.897, 291.821

Inverse Universe

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



64, 62.181, 2.873



59, 72.672, 6.542



96, 73.636, 112.622



50, 5.752, 354.821



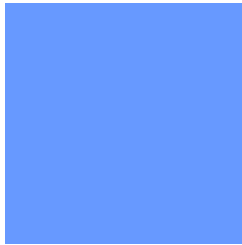
40, 69.772, 18.585



10, 31.359, 10.625

Previews

White Background



This preview shows how the CIELCh color 64, 57.360, 283.487 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, 57.360, 283.487 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

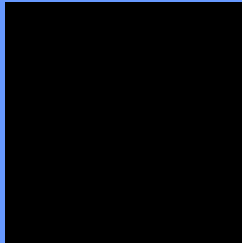
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

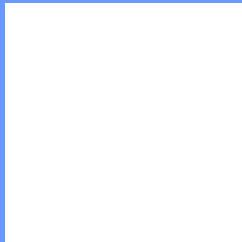
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 64, 57.360, 283.487

Background



This preview shows how black text looks on a background with the CIELCh color 64, 57.360, 283.487.



This preview shows how white text looks on a background with the CIELCh color 64, 57.360, 283.487.

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, 57.360, 283.487

Protanopia

64, 57.091, 286.112

Deuteranopia

64, 56.241, 279.838



Tritanopia
64, 28.859, 213.091

Trichromacy



Original Color
64, 57.360, 283.487

Protanomaly
64, 57.186, 284.979

Deuteranomaly
64, 56.582, 281.248

Tritanomaly
63, 32.681, 250.655

Monochromacy



Original Color
64, 57.360, 283.487

Achromatopsia
62, 0.008, 296.813

Achromatomaly
62, 21.420, 276.069

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 64, 57.360, 283.487 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(103, 153, 255)` looks like.

```
.text, #text, p{  
    color:rgb(103, 153, 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(103, 153, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 153, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 64, 57.360, 283.487 is called "border". The border property can be set on classes, ids or directly on the HTML element.

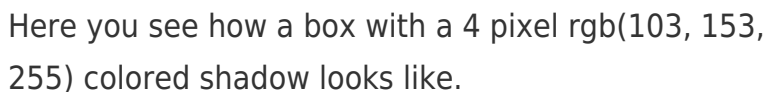
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(103, 153, 255) }
```

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

```
.border{ border-color:rgb(103, 153, 255) }
```

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



Here you see how a box with a 4 pixel `rgb(103, 153, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 153, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 153, 255);  
box-shadow:4px 4px 4px 4px rgb(103, 153,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 64, 57.360, 283.487 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 153, 255) }
```

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

```
.background{ background-color: rgb(103,  
153, 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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