

Converting Colors

CIELCh(66, 52.580, 278.631)

Have a look what the booklet for
CIELCh(66, 52.580, 278.631)
contains.

CIELCh(66, 52.680, 278.761)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(66, 52.680, 278.761)

Conversions

Conversions Part 1

Format	Color
Hex	65A1FE
RGB	101, 161, 254
RGB Percent	40%, 63%, 100%
CMY	0.6048, 0.3693, 0.0047
CMYK	0.60, 0.37, 0.00, 0.00
HSL	216°, 98%, 70%
HSV	216°, 60%, 100%
XYZ	35.9131, 35.3238, 98.5236
YIQ	153.6620, -65.6130, 16.2030

Conversions

Conversions Part 2

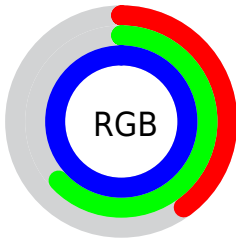
Format	Color
RYB	101, 144, 254
Decimal	6660606
CIELab	66.00, 8.02, -52.07
CIELCh	66, 52.680, 278.761
Yxy	35.3238, 0.2116, 0.2081
Android (android.graphics.Color)	4284850686 (0xFF65A1FE)
YUV	153.6620, 49.4666, -46.1846
Hunter-Lab	59.4338, 3.8500, -56.6815

Details

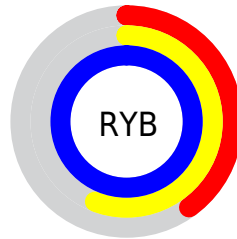
The CIELCh color **66, 52.680, 278.761** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **82, 55.479, 77.775**, and the grayscale version is **63, 0.008, 296.813**.

A 20% lighter version of the original color is **84, 26.064, 253.270**, and **46, 52.812, 278.863** is the 20% darker color. If you saturate the color by 10%, you get **61, 61.782, 282.173**, and if you desaturate by 10%, it is **71, 43.739, 275.767**.

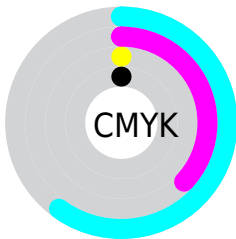
Distribution



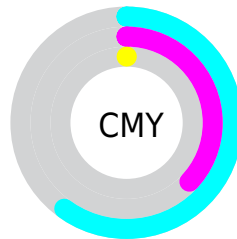
- Red (40%)
- Green (63%)
- Blue (100%)



- Red (40%)
- Yellow (56%)
- Blue (100%)



- Cyan (60%)
- Magenta (37%)
- Yellow (0%)
- Black (0%)





- Cyan (60%)
- Magenta (37%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 66, 52.680, 278.761 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 66, 52.680, 278.761 by changing the saturation by 10% instead.


 66, 52.680,
278.761


 66, 52.680,
278.761


 100, 52.680,
278.761


 56, 52.680,
278.761


 86, 52.680,
278.761

 46, 52.680,
278.761

 96, 52.680,
278.761

 36, 52.680,
278.761

 26, 52.680,
278.761

 16, 52.680,
278.761

 6, 52.680, 278.761

 0, 52.680, 278.761

66, 52.680,
278.761

66, 52.680,
278.761

61, 61.782,
282.173

71, 43.739,
275.767

56, 71.107,
285.943

77, 34.907,
273.187

51, 80.676,
289.930

82, 26.150,
270.988

47, 90.128,
293.744

88, 17.454,
269.122

94, 8.821, 267.547

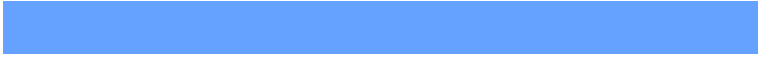
99, 0.256, 267.476

100, 0.597,
110.004

Harmonies

Complementary

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



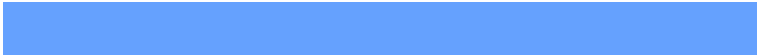
66, 52.680, 278.761



82, 55.479, 77.775

Rectangle

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



66, 52.680, 278.761



66, 52.680, 328.761



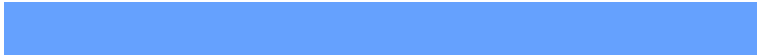
66, 52.680, 98.761



66, 52.680, 148.761

Sweetspot

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



66, 52.679, 278.762



90, 15.532, 268.738



90, 57.227, 162.324



46, 10.804, 269.230



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



66, 52.679, 278.762



60, 63.604, 282.803



52, 87.720, 301.848



50, 4.892, 267.436



36, 71.537, 293.047



10, 28.726, 287.395

Inverse Universe

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



64, 63.519, 358.328



60, 73.221, 1.499



96, 73.550, 109.432



50, 5.961, 350.713



41, 68.428, 12.553



10, 31.290, 5.442

Previews

White Background



This preview shows how the CIE LCh color 66, 52.680, 278.761 looks on a white background.

Color Contrast Check

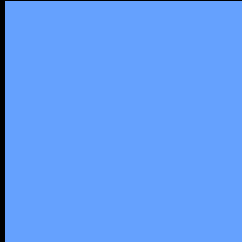
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIELCh color 66, 52.680, 278.761 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

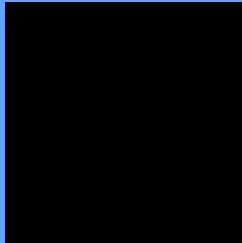
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

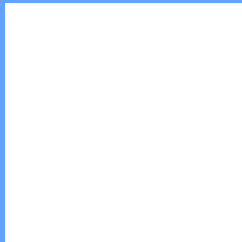
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 66, 52.680, 278.761

Background



This preview shows how black text looks on a background with the CIELCh color 66, 52.680, 278.761.



This preview shows how white text looks on a background with the CIELCh color 66, 52.680, 278.761.

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

66, 52.680, 278.761

Protanopia

66, 52.327, 286.149

Deuteranopia

66, 52.978, 280.372



Tritanopia
66, 29.912, 212.388

Trichromacy



Original Color
66, 52.680, 278.761

Protanomaly
66, 52.071, 283.047

Deuteranomaly
66, 53.063, 279.939

Tritanomaly
66, 32.544, 245.723

Monochromacy



Original Color
66, 52.680, 278.761

Achromatopsia
63, 0.008, 296.813

Achromatomaly
64, 20.093, 270.677

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 66, 52.680, 278.761 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(101, 161, 254)` looks like.

```
.text, #text, p{  
    color:rgb(101, 161, 254)  
}
```

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(101, 161, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(101, 161, 254) }
```

Border

The CSS property to change the border of an element to CIELCh 66, 52.680, 278.761 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(101, 161, 254) }
```

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

```
.border{ border-color:rgb(101, 161, 254) }
```

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

Here you see how a box with a 4 pixel `rgb(101, 161, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(101, 161, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(101, 161, 254);  
box-shadow:4px 4px 4px 4px rgb(101, 161,  
254) }
```

Background

The CSS property to change the background color of an element to CIELCh 66, 52.680, 278.761 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(101, 161, 254) }
```

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

```
.background{ background-color: rgb(101,  
161, 254) }
```

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