

Converting Colors

CIELCh(65, 51.999, 280.223)

Have a look what the booklet for
CIELCh(65, 51.999, 280.223)
contains.

CIELCh(65, 52.047, 280.291)	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(65, 52.047, 280.291)

Conversions

Conversions Part 1

Format	Color
Hex	689DF9
RGB	104, 157, 249
RGB Percent	41%, 62%, 98%
CMY	0.5907, 0.3831, 0.0222
CMYK	0.58, 0.37, 0.00, 0.02
HSL	218°, 93%, 69%
HSV	218°, 58%, 98%
XYZ	35.0157, 34.0472, 94.6342
YIQ	151.6410, -61.1200, 17.3760

Conversions

Conversions Part 2

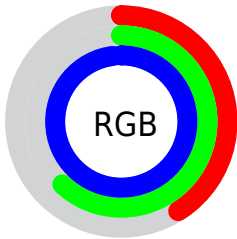
Format	Color
RYB	104, 143, 249
Decimal	6856185
CIELab	65.00, 9.30, -51.21
CIElCh	65, 52.047, 280.291
Yxy	34.0472, 0.2139, 0.2080
Android (android.graphics.Color)	4285046265 (0xFF689DF9)
YUV	151.6410, 47.9980, -41.7812
Hunter-Lab	58.3500, 5.0052, -55.3139

Details

The CIELCh color `65, 52.047, 280.291` is a light color, and the websafe version is hex `6699FF`. A complement of this color would be `82, 53.403, 80.514`, and the grayscale version is `63, 0.008, 296.813`.

A 20% lighter version of the original color is `83, 26.848, 259.544`, and `45, 52.205, 280.475` is the 20% darker color. If you saturate the color by 10%, you get `60, 61.501, 283.541`, and if you desaturate by 10%, it is `71, 42.793, 277.443`.

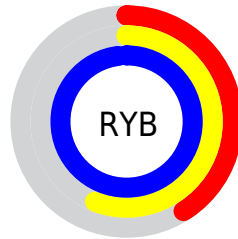
Distribution



Red (41%)

Green (62%)

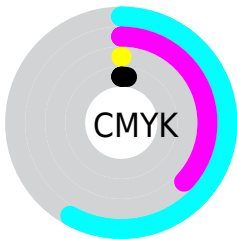
Blue (98%)



Red (41%)

Yellow (56%)

Blue (98%)

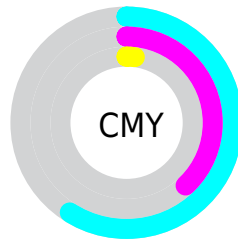


Cyan (58%)

Magenta (37%)

Yellow (0%)

Black (2%)



Cyan (59%)


Magenta (38%)


Yellow (2%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 65, 52.047, 280.291 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 65, 52.047, 280.291 by changing the saturation by 10% instead.


 65, 52.047,
280.291


 65, 52.047,
280.291


 100, 52.047,
280.291


 55, 52.047,
280.291


 85, 52.047,
280.291

 45, 52.047,
280.291

 95, 52.047,
280.291

 35, 52.047,
280.291

 25, 52.047,
280.291

 15, 52.047,
280.291

 5, 52.047, 280.291

 0, 52.047, 280.291

65, 52.047,
280.291

65, 52.047,
280.291

60, 61.501,
283.541

71, 42.793,
277.443

55, 71.204,
287.143

76, 33.694,
274.989

50, 81.156,
290.968

82, 24.715,
272.895

45, 91.231,
294.784

88, 15.843,
271.116

45, 93.104,
295.444

93, 7.072, 269.616

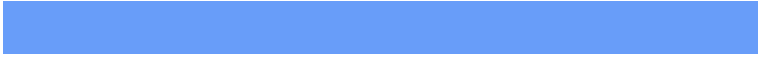
99, 1.594, 88.070

100, 2.854,
109.938

Harmonies

Complementary

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



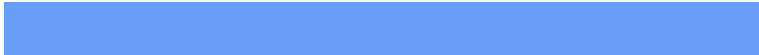
65, 52.047, 280.291



82, 53.403, 80.514

Rectangle

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



65, 52.047, 280.291



65, 52.047, 330.291



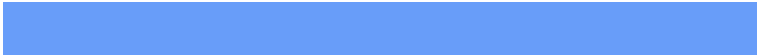
65, 52.047, 100.291



65, 52.047, 150.291

Sweetspot

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



65, 52.046, 280.292



90, 15.110, 270.934



89, 53.122, 164.763



47, 10.118, 271.263



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



65, 52.046, 280.292



60, 64.451, 284.216



53, 83.070, 302.235



49, 4.951, 269.802



34, 74.157, 294.781



8, 29.054, 289.063

Inverse Universe

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



64, 60.203, 359.801



60, 71.429, 3.017



94, 70.532, 111.141



49, 5.770, 352.441



40, 68.199, 15.120



9, 30.456, 7.277

Previews

White Background



This preview shows how the CIELCh color 65, 52.047, 280.291 looks on a white background.

Color Contrast Check

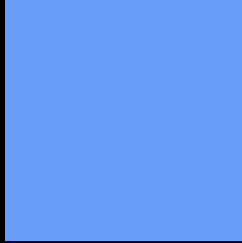
Large Text (above 18pt) WCAG AA × Fail

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 65, 52.047, 280.291 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

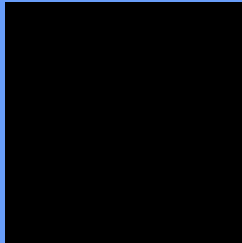
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

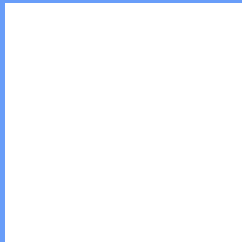
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 65, 52.047, 280.291

Background



This preview shows how black text looks on a background with the CIELCh color 65, 52.047, 280.291.



This preview shows how white text looks on a background with the CIELCh color 65, 52.047, 280.291.

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

65, 52.047, 280.291

Protanopia

65, 51.367, 285.893

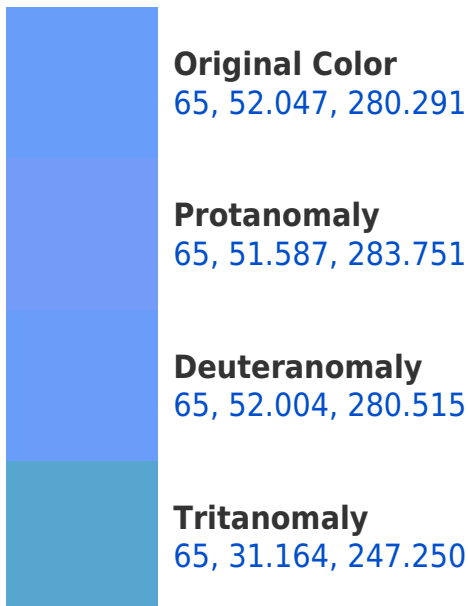
Deuteranopia

65, 52.004, 280.515

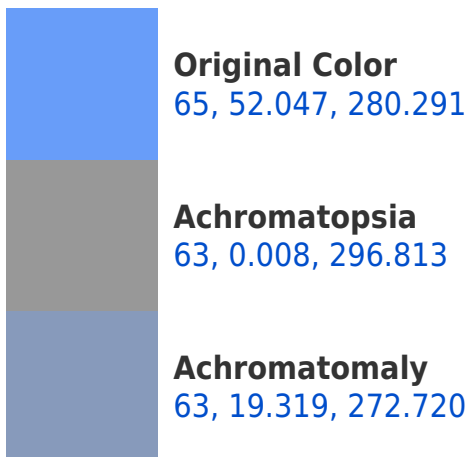


Tritanopia
65, 28.181, 212.294

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 65, 52.047, 280.291 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(104, 157, 249)` looks like.

```
.text, #text, p{  
    color:rgb(104, 157, 249)  
}
```

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(104, 157, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 157, 249) }
```

Border

The CSS property to change the border of an element to CIELCh 65, 52.047, 280.291 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(104, 157, 249) }
```

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

```
.border{ border-color:rgb(104, 157, 249) }
```

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

Here you see how a box with a 4 pixel `rgb(104, 157, 249)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 157, 249); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 157, 249);  
box-shadow:4px 4px 4px 4px rgb(104, 157,  
249) }
```

Background

The CSS property to change the background color of an element to CIELCh 65, 52.047, 280.291 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 157, 249) }
```

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

```
.background{ background-color: rgb(104,  
157, 249) }
```

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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