

Converting Colors

CIELCh(65, 51.345, 285.576)

Have a look what the booklet for
CIELCh(65, 51.345, 285.576)
contains.

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Color

CIELCh(65, 51.399, 285.624)

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | 7A9AF6 |
| RGB | 122, 154, 246 |
| RGB Percent | 48%, 60%, 96% |
| CMY | 0.5202, 0.3949, 0.0340 |
| CMYK | 0.50, 0.37, 0.00, 0.03 |
| HSL | 225°, 88%, 72% |
| HSV | 225°, 50%, 97% |
| XYZ | 36.3647, 34.0472, 92.1135 |
| YIQ | 154.9200, -48.6040, 21.8280 |

Conversions

Conversions Part 2

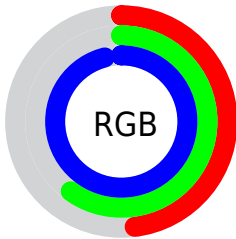
| Format | Color |
|-------------------------------------|--------------------------------|
| R _Y B | 122, 147, 246 |
| Decimal | 8035062 |
| CIE Lab | 65.00, 13.84, -49.50 |
| CIE LCh | 65, 51.399, 285.624 |
| Yxy | 34.0472, 0.2237, 0.2095 |
| Android (android.graphics.Color) | 4286225142 (0xFF7A9AF6) |
| YUV | 154.9200, 44.9024, -28.8708 |
| Hunter-Lab | 58.3500, 9.1318, -52.7525 |

Details

The CIELCh color **65, 51.399, 285.624** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **87, 49.182, 90.300**, and the grayscale version is **64, 0.008, 296.813**.

A 20% lighter version of the original color is **83, 26.068, 272.462**, and **45, 51.560, 285.726** is the 20% darker color. If you saturate the color by 10%, you get **59, 62.532, 288.331**, and if you desaturate by 10%, it is **71, 40.614, 283.266**.

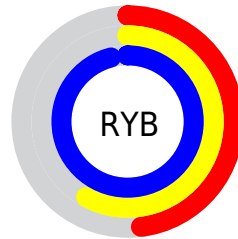
Distribution



Red (48%)

Green (60%)

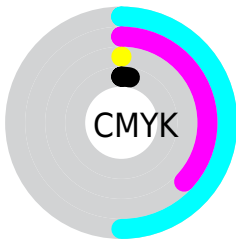
Blue (96%)



Red (48%)

Yellow (58%)

Blue (96%)

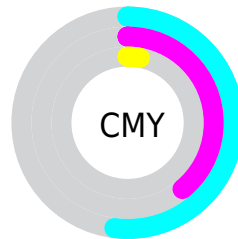


Cyan (50%)

Magenta (37%)

Yellow (0%)

Black (3%)



Cyan (52%)


Magenta (39%)


Yellow (3%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 65, 51.399, 285.624 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, 51.399, 285.624 by changing the saturation by 10% instead.


 65, 51.399,
285.624


 65, 51.399,
285.624


 100, 51.399,
285.624


 55, 51.399,
285.624


 85, 51.399,
285.624

 45, 51.399,
285.624

 95, 51.399,
285.624

 35, 51.399,
285.624

 25, 51.399,
285.624

 15, 51.399,
285.624

 5, 51.399, 285.624

 0, 51.399, 285.624

65, 51.399,
285.624

65, 51.399,
285.624

59, 62.532,
288.331

71, 40.614,
283.266

53, 74.025,
291.358

78, 30.144,
281.240

47, 85.788,
294.611

84, 19.957,
279.509

42, 97.512,
297.902

90, 10.025,
278.037

38, 108.211,
300.829

97, 0.333, 277.416

100, 4.383,
109.833

Harmonies

Complementary

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



65, 51.399, 285.624



87, 49.182, 90.300

Rectangle

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



65, 51.399, 285.624



65, 51.399, 335.624



65, 51.399, 105.624



65, 51.399, 155.624

Sweetspot

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



65, 51.398, 285.625



90, 15.042, 278.697



89, 42.803, 172.888



47, 10.288, 279.011



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, 51.398, 285.625



61, 63.929, 288.265



59, 70.420, 303.771



48, 5.479, 277.923



29, 86.236, 300.300



6, 32.413, 294.148

Inverse Universe

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



67, 50.848, 6.000



64, 62.057, 8.433



93, 62.273, 116.097



48, 5.371, 359.801



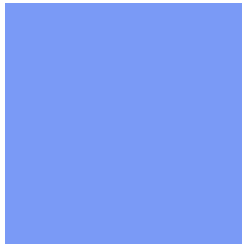
39, 70.797, 24.848



9, 29.791, 13.746

Previews

White Background



This preview shows how the CIELCh color 65, 51.399, 285.624 looks on a white background.

Color Contrast Check

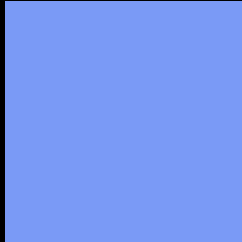
Large Text (above 18pt) WCAG AA × Fail

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, 51.399, 285.624 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

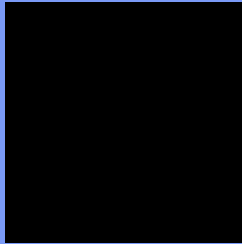
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 65, 51.399, 285.624

Background



This preview shows how black text looks on a background with the CIELCh color 65, 51.399, 285.624.



This preview shows how white text looks on a background with the CIELCh color 65, 51.399, 285.624.

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, 51.399, 285.624

Protanopia

65, 51.367, 285.893

Deuteranopia

65, 50.230, 280.947



Tritanopia
65, 22.016, 217.115

Trichromacy



Original Color
65, 51.399, 285.624

Protanomaly
65, 51.367, 285.893

Deuteranomaly
65, 50.595, 282.498

Tritanomaly
65, 27.752, 256.565

Monochromacy



Original Color
65, 51.399, 285.624

Achromatopsia
64, 0.008, 296.813

Achromatomaly
64, 18.734, 279.444

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 65, 51.399, 285.624 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(122, 154, 246)` looks like.

```
.text, #text, p{  
    color:rgb(122, 154, 246)  
}
```

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(122, 154, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 154, 246) }
```

Border

The CSS property to change the border of an element to CIELCh 65, 51.399, 285.624 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(122, 154, 246) }
```

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

```
.border{ border-color:rgb(122, 154, 246) }
```

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

Here you see how a box with a 4 pixel rgb(122, 154, 246) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 154, 246); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 154, 246);  
box-shadow:4px 4px 4px 4px rgb(122, 154,  
246) }
```

Background

The CSS property to change the background color of an element to CIELCh 65, 51.399, 285.624 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 154, 246) }
```

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

```
.background{ background-color: rgb(122,  
154, 246) }
```

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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