

Converting Colors

CIELCh(65, 53.692, 280.890)

Have a look what the booklet for
CIELCh(65, 53.692, 280.890)
contains.

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Color

CIELCh(65, 53.642, 280.821)

Conversions

Conversions Part 1

Format	Color
Hex	679DFC
RGB	103, 157, 252
RGB Percent	40%, 62%, 99%
CMY	0.5958, 0.3841, 0.0116
CMYK	0.59, 0.38, 0.00, 0.01
HSL	218°, 96%, 70%
HSV	218°, 59%, 99%
XYZ	35.2427, 34.0472, 96.8504
YIQ	151.6840, -62.6790, 18.0970

Conversions

Conversions Part 2

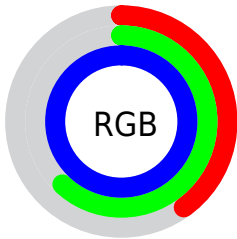
Format	Color
R _Y B	103, 143, 252
Decimal	6790652
CIE Lab	65.00, 10.07, -52.69
CIE LCh	65, 53.642, 280.821
Yxy	34.0472, 0.2121, 0.2049
Android (android.graphics.Color)	4284980732 (0xFF679DFC)
YUV	151.6840, 49.4558, -42.6959
Hunter-Lab	58.3500, 5.6995, -57.5658

Details

The CIELCh color **65, 53.642, 280.821** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **83, 54.864, 80.606**, 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, 53.904, 281.068** is the 20% darker color. If you saturate the color by 10%, you get **60, 63.257, 284.105**, and if you desaturate by 10%, it is **71, 44.239, 277.937**.

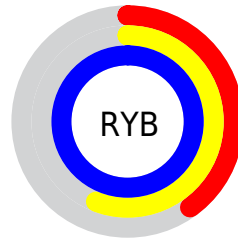
Distribution



Red (40%)

Green (62%)

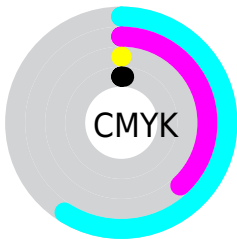
Blue (99%)



Red (40%)

Yellow (56%)

Blue (99%)

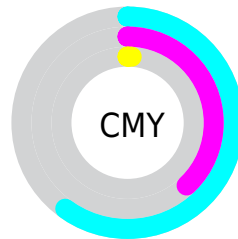


Cyan (59%)

Magenta (38%)

Yellow (0%)

Black (1%)



Cyan (60%)


Magenta (38%)


Yellow (1%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 65, 53.642, 280.821 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, 53.642, 280.821 by changing the saturation by 10% instead.


 65, 53.642,
280.821


 65, 53.642,
280.821


 100, 53.642,
280.821


 55, 53.642,
280.821


 85, 53.642,
280.821

 45, 53.642,
280.821

 95, 53.642,
280.821

 35, 53.642,
280.821

 25, 53.642,
280.821

 15, 53.642,
280.821

 5, 53.642, 280.821

 0, 53.642, 280.821

■ 65, 53.642,
280.821

■ 65, 53.642,
280.821

■ 60, 63.257,
284.105

■ 71, 44.239,
277.937

■ 54, 73.132,
287.728

■ 76, 35.002,
275.447

■ 50, 83.250,
291.553

■ 82, 25.895,
273.322

■ 45, 93.462,
295.326

■ 88, 16.900,
271.514

■ 45, 94.369,
295.637

■ 94, 8.013, 269.988

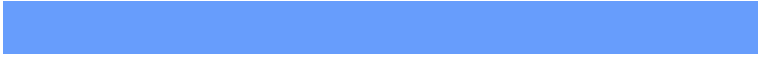
■ 99, 0.766, 88.217

■ 100, 1.485,
110.015

Harmonies

Complementary

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



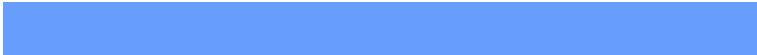
65, 53.642, 280.821



83, 54.864, 80.606

Rectangle

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



65, 53.642, 280.821



65, 53.642, 330.821



65, 53.642, 100.821



65, 53.642, 150.821

Sweetspot

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



65, 53.641, 280.822



89, 16.059, 271.333



90, 54.306, 164.606



46, 11.178, 271.820



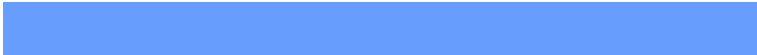
0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



65, 53.641, 280.822



59, 65.722, 284.781



53, 85.311, 302.392



49, 4.966, 270.041



34, 74.509, 294.955



8, 29.190, 289.263

Inverse Universe

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



64, 61.582, 0.246



60, 72.148, 3.554



95, 72.155, 111.087



49, 5.761, 352.624



40, 68.256, 15.389



9, 30.457, 7.499

Previews

White Background



This preview shows how the CIE LCh color 65, 53.642, 280.821 looks on a white background.

Color Contrast Check

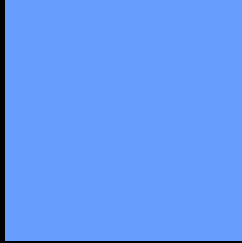
Large Text (above 18pt) WCAG AA × Fail

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, 53.642, 280.821 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

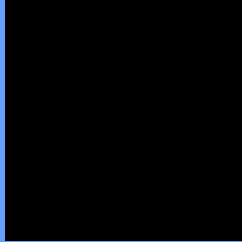
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

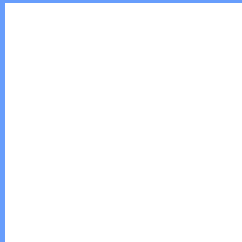
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 65, 53.642, 280.821

Background



This preview shows how black text looks on a background with the CIELCh color 65, 53.642, 280.821.



This preview shows how white text looks on a background with the CIELCh color 65, 53.642, 280.821.

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, 53.642, 280.821

Protanopia

65, 53.032, 285.904

Deuteranopia

65, 53.683, 280.610



Tritanopia
65, 28.766, 213.119

Trichromacy



Original Color
65, 53.642, 280.821

Protanomaly
65, 53.246, 283.879

Deuteranomaly
65, 53.683, 280.610

Tritanomaly
65, 31.763, 247.549

Monochromacy



Original Color
65, 53.642, 280.821

Achromatopsia
63, 0.008, 296.813

Achromatomaly
63, 19.934, 272.476

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 65, 53.642, 280.821 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, 157, 252)` looks like.

```
.text, #text, p{  
    color:rgb(103, 157, 252)  
}
```

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, 157, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 157, 252) }
```

Border

The CSS property to change the border of an element to CIELCh 65, 53.642, 280.821 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, 157, 252) }
```

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

```
.border{ border-color:rgb(103, 157, 252) }
```

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

Here you see how a box with a 4 pixel rgb(103, 157, 252) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 157, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 157, 252);  
box-shadow:4px 4px 4px 4px rgb(103, 157,  
252) }
```

Background

The CSS property to change the background color of an element to CIELCh 65, 53.642, 280.821 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 157, 252) }
```

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

```
.background{ background-color: rgb(103,  
157, 252) }
```

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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