

Converting Colors

CIELCh(65, 35.434, 253.522)

Have a look what the booklet for
CIELCh(65, 35.434, 253.522)
contains.

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Color

CIELCh(65, 35.454, 253.570)

Conversions

Conversions Part 1

Format	Color
Hex	51A6DA
RGB	81, 166, 218
RGB Percent	32%, 65%, 85%
CMY	0.6827, 0.3493, 0.1454
CMYK	0.63, 0.24, 0.00, 0.15
HSL	203°, 65%, 59%
HSV	203°, 63%, 85%
XYZ	29.6517, 34.0472, 71.2821
YIQ	146.5130, -67.3520, -1.8480

Conversions

Conversions Part 2

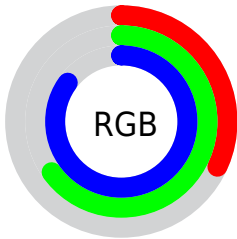
Format	Color
R_{YB}	81, 133, 218
Decimal	5351130
CIE _{Lab}	65.00, -10.03, -34.01
CIE _{LCh}	65, 35.454, 253.570
Yxy	34.0472, 0.2197, 0.2522
Android (android.graphics.Color)	4283541210 (0xFF51A6DA)
YUV	146.5130, 35.2431, -57.4549
Hunter-Lab	58.3500, -11.4040, -31.5855

Details

The CIELCh color **65, 35.454, 253.570** is a light color, and the websafe version is hex **3399CC**. The color can be described as light muted azure. A complement of this color would be **64, 49.912, 56.009**, and the grayscale version is **61, 0.008, 296.813**.

A 20% lighter version of the original color is **84, 28.726, 237.099**, and **45, 34.915, 255.706** is the 20% darker color. If you saturate the color by 10%, you get **62, 39.816, 257.259**, and if you desaturate by 10%, it is **68, 30.720, 250.490**.

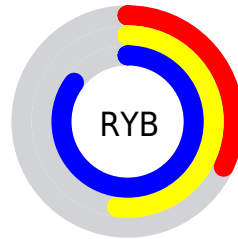
Distribution



Red (32%)

Green (65%)

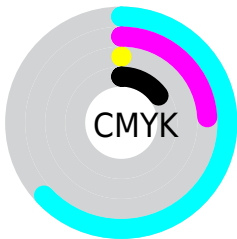
Blue (85%)



Red (32%)

Yellow (52%)

Blue (85%)

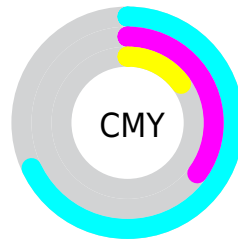


Cyan (63%)

Magenta (24%)

Yellow (0%)

Black (15%)



Cyan (68%)


Magenta (35%)


Yellow (15%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 65, 35.454, 253.570 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, 35.454, 253.570 by changing the saturation by 10% instead.


 65, 35.454,
253.570


 65, 35.454,
253.570


 100, 35.454,
253.570


 55, 35.454,
253.570


 85, 35.454,
253.570

 45, 35.454,
253.570

 95, 35.454,
253.570

 35, 35.454,
253.570

 25, 35.454,
253.570

 15, 35.454,
253.570

 5, 35.454, 253.570

 0, 35.454, 253.570

65, 35.454,
253.570

65, 35.454,
253.570

62, 39.816,
257.259

68, 30.720,
250.490

59, 43.887,
261.569

72, 25.595,
247.956

56, 47.806,
266.427

75, 20.098,
245.890

54, 50.640,
270.022

79, 14.273,
244.213

82, 8.173, 242.865

86, 1.852, 241.945

90, 4.637, 60.654

93, 11.178, 60.262

96, 12.674, 83.985

Harmonies

Complementary

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



65, 35.454, 253.570



64, 49.912, 56.009

Rectangle

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



65, 35.454, 253.570



65, 35.454, 303.570



65, 35.454, 73.570



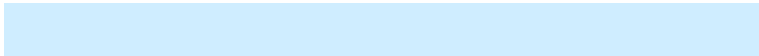
65, 35.454, 123.570

Sweetspot

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



65, 35.453, 253.570



92, 13.562, 243.678



78, 64.574, 150.281



48, 9.285, 244.092



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, 35.453, 253.570



71, 46.141, 258.403



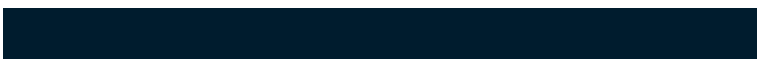
47, 69.802, 295.283



44, 3.643, 242.475



44, 42.210, 269.159



9, 15.038, 258.458

Inverse Universe

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



56, 64.544, 343.782



60, 82.001, 345.814



80, 60.369, 97.157



43, 6.128, 338.351



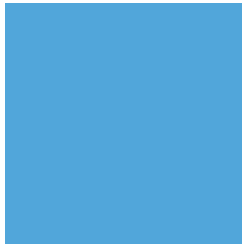
38, 66.134, 351.009



6, 26.653, 346.093

Previews

White Background



This preview shows how the CIE LCh color 65, 35.454, 253.570 looks on a white background.

Color Contrast Check

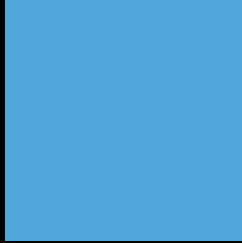
Large Text (above 18pt) WCAG AA × Fail

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, 35.454, 253.570 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

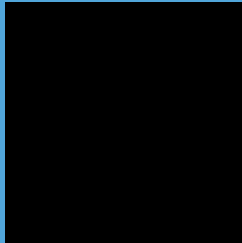
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

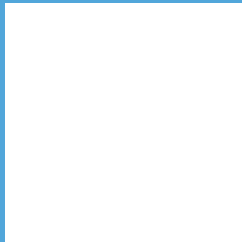
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 65, 35.454, 253.570

Background



This preview shows how black text looks on a background with the CIELCh color 65, 35.454, 253.570.

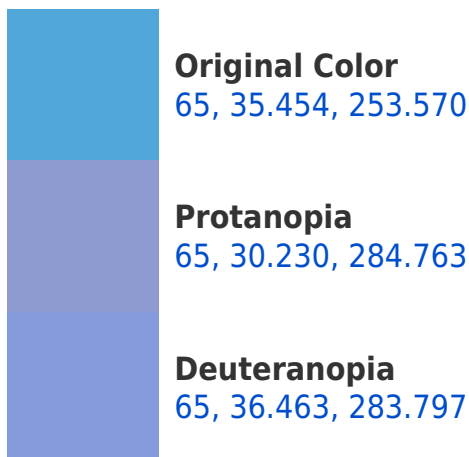



This preview shows how white text looks on a background with the CIELCh color 65, 35.454, 253.570.

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





Tritanopia
65, 30.502, 212.063

Trichromacy



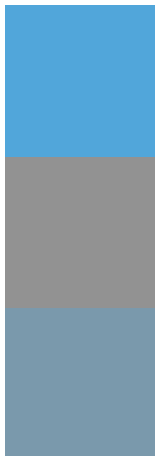
Original Color
65, 35.454, 253.570

Protanomaly
65, 31.306, 270.504

Deuteranomaly
65, 35.121, 272.131

Tritanomaly
65, 30.494, 228.547

Monochromacy



Original Color
65, 35.454, 253.570

Achromatopsia
61, 0.008, 296.813

Achromatomaly
62, 14.801, 245.196

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 65, 35.454, 253.570 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(81, 166, 218)` looks like.

```
.text, #text, p{  
    color:rgb(81, 166, 218)  
}
```

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(81, 166, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(81, 166, 218) }
```

Border

The CSS property to change the border of an element to CIELCh 65, 35.454, 253.570 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(81, 166, 218) }
```

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

```
.border{ border-color:rgb(81, 166, 218) }
```

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

Here you see how a box with a 4 pixel `rgb(81, 166, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(81, 166, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(81, 166, 218);  
box-shadow:4px 4px 4px 4px rgb(81, 166,  
218) }
```

Background

The CSS property to change the background color of an element to CIELCh 65, 35.454, 253.570 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(81, 166, 218) }
```

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

```
.background{ background-color: rgb(81, 166,  
218) }
```

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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