

Converting Colors

CIELCh(65, 29.178, 238.702)

Have a look what the booklet for
CIELCh(65, 29.178, 238.702)
contains.

CIELCh(65, 29.178, 238.702)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(65, 29.178, 238.702)

Conversions

Conversions Part 1

Format	Color
Hex	56A8CA
RGB	86, 168, 202
RGB Percent	34%, 66%, 79%
CMY	0.6646, 0.3428, 0.2096
CMYK	0.58, 0.17, 0.00, 0.21
HSL	198°, 52%, 56%
HSV	198°, 58%, 79%
XYZ	28.3264, 34.0472, 60.6817
YIQ	147.3580, -59.7860, -6.8100

Conversions

Conversions Part 2

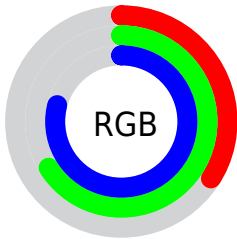
Format	Color
R _Y B	86, 134, 202
Decimal	5679306
CIE Lab	65.00, -15.16, -24.93
CIE LCh	65, 29.178, 238.702
Yxy	34.0472, 0.2302, 0.2767
Android (android.graphics.Color)	4283869386 (0xFF56A8CA)
YUV	147.3580, 26.9385, -53.8110
Hunter-Lab	58.3500, -15.4584, -20.8143

Details

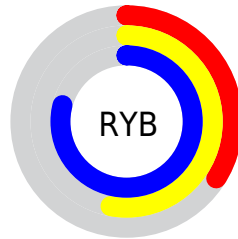
The CIELCh color **65, 29.178, 238.702** is a light color, and the websafe version is hex **3399CC**. The color can be described as light muted azure. A complement of this color would be **58, 43.241, 48.269**, and the grayscale version is **61, 0.008, 296.813**.

A 20% lighter version of the original color is **85, 28.219, 235.091**, and **45, 29.225, 238.764** is the 20% darker color. If you saturate the color by 10%, you get **63, 32.635, 241.530**, and if you desaturate by 10%, it is **68, 25.162, 236.434**.

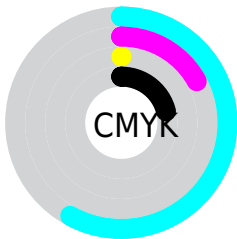
Distribution



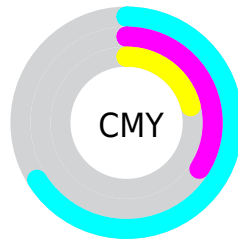
- Red (34%)
- Green (66%)
- Blue (79%)



- Red (34%)
- Yellow (53%)
- Blue (79%)



- Cyan (58%)
- Magenta (17%)
- Yellow (0%)
- Black (21%)





- Cyan (66%)
- Magenta (34%)
- Yellow (21%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 65, 29.178, 238.702 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, 29.178, 238.702 by changing the saturation by 10% instead.


 65, 29.178,
238.702


 65, 29.178,
238.702


 100, 29.178,
238.702


 55, 29.178,
238.702


 85, 29.178,
238.702

 45, 29.178,
238.702

 95, 29.178,
238.702

 35, 29.178,
238.702

 25, 29.178,
238.702

 15, 29.178,
238.702

 5, 29.178, 238.702

 0, 29.178, 238.702

65, 29.178,
238.702

65, 29.178,
238.702

63, 32.635,
241.530

68, 25.162,
236.434

60, 35.549,
245.002

70, 20.623,
234.637

58, 37.996,
249.163

73, 15.619,
233.225

56, 40.142,
253.939

76, 10.222,
232.127

56, 40.675,
255.104

79, 4.503, 231.318

82, 1.470, 50.174

85, 7.638, 49.922

88, 13.950, 49.538

90, 16.433, 56.927

Harmonies

Complementary

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



65, 29.178, 238.702



58, 43.241, 48.269

Rectangle

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



65, 29.178, 238.702



65, 29.178, 288.702



65, 29.178, 58.702



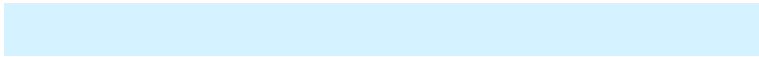
65, 29.178, 108.702

Sweetspot

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



65, 29.177, 238.701



94, 11.983, 232.096



73, 60.092, 147.920



49, 7.975, 232.294



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, 29.177, 238.701



77, 39.848, 242.298



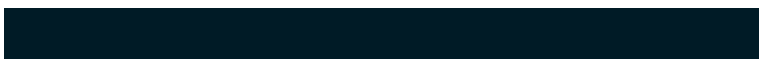
49, 53.323, 289.725



41, 3.396, 231.441



46, 34.956, 254.328



8, 12.028, 242.820

Inverse Universe

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



54, 59.664, 338.569



63, 82.250, 339.906



72, 49.108, 92.371



40, 6.140, 334.602



37, 67.273, 344.192



4, 22.863, 340.342

Previews

White Background



This preview shows how the CIE LCh color 65, 29.178, 238.702 looks on a white background.

Color Contrast Check

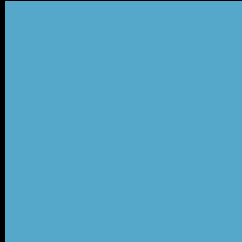
Large Text (above 18pt) WCAG AA × Fail

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, 29.178, 238.702 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

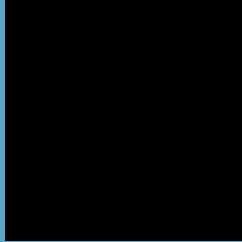
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 65, 29.178, 238.702

Background



This preview shows how black text looks on a background with the CIELCh color 65, 29.178, 238.702.

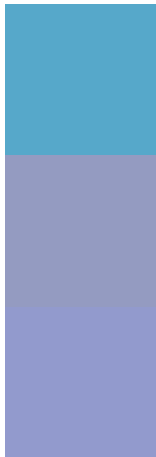


This preview shows how white text looks on a background with the CIELCh color 65, 29.178, 238.702.

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, 29.178, 238.702

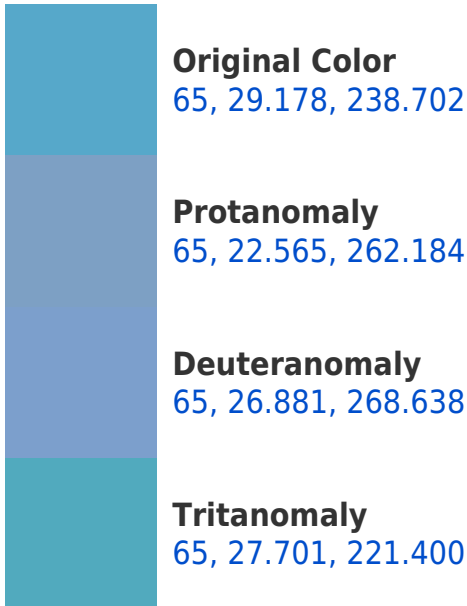
Protanopia
65, 21.233, 285.945

Deuteranopia
65, 28.443, 287.847

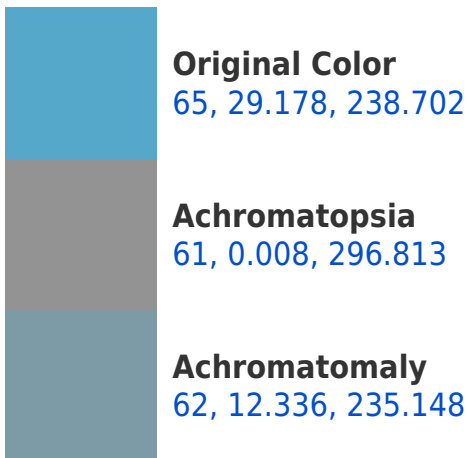


Tritanopia
65, 27.989, 212.413

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 65, 29.178, 238.702 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(86, 168, 202)` looks like.

```
.text, #text, p{  
    color:rgb(86, 168, 202)  
}
```

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(86, 168, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(86, 168, 202) }
```

Border

The CSS property to change the border of an element to CIELCh 65, 29.178, 238.702 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(86, 168, 202) }
```

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

```
.border{ border-color:rgb(86, 168, 202) }
```

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

Here you see how a box with a 4 pixel `rgb(86, 168, 202)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(86, 168, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(86, 168, 202);  
box-shadow:4px 4px 4px 4px rgb(86, 168,  
202) }
```

Background

The CSS property to change the background color of an element to CIELCh 65, 29.178, 238.702 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(86, 168, 202) }
```

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

```
.background{ background-color: rgb(86, 168,  
202) }
```

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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