

# Converting Colors

CIELCh(65, 21.186, 260.999)

Have a look what the booklet for  
CIELCh(65, 21.186, 260.999)  
contains.

<b>CIELCh(65, 21.351, 261.821)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	11
<b><i>Previews</i></b> .....	20
<b><i>Color Blindness Simulation</i></b> .....	23
<b><i>CSS Examples</i></b> .....	26

# Color

**CIELCh(65, 21.351, 261.821)**

# Conversions

## Conversions Part 1

Format	Color
Hex	80A1C3
RGB	128, 161, 195
RGB Percent	50%, 63%, 76%
CMY	0.4978, 0.3684, 0.2350
CMYK	0.34, 0.17, 0.00, 0.24
HSL	210°, 36%, 63%
HSV	210°, 34%, 76%
XYZ	31.5235, 34.0472, 56.5769
YIQ	155.0090, -30.5820, 3.5780

# Conversions

## Conversions Part 2

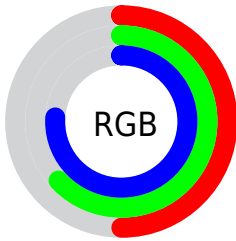
Format	Color
R <sub>Y</sub> B	128, 150, 195
Decimal	8430019
CIE Lab	65.00, -3.04, -21.13
CIE LCh	65, 21.351, 261.821
Yxy	34.0472, 0.2581, 0.2787
Android (android.graphics.Color)	4286620099 (0xFF80A1C3)
YUV	155.0090, 19.7156, -23.6869
Hunter-Lab	58.3500, -5.6779, -16.6434

# Details

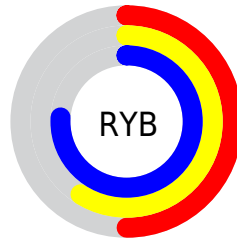
The CIELCh color `65, 21.351, 261.821` is a light color, and the websafe version is hex `6699CC`. A complement of this color would be `69, 23.392, 71.934`, and the grayscale version is `64, 0.008, 296.813`.

A 20% lighter version of the original color is `85, 21.487, 261.311`, and `45, 21.066, 260.844` is the 20% darker color. If you saturate the color by 10%, you get `61, 27.371, 264.160`, and if you desaturate by 10%, it is `69, 15.227, 259.852`.

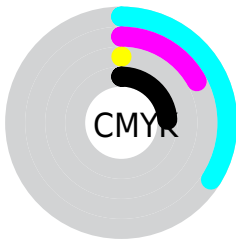
# Distribution



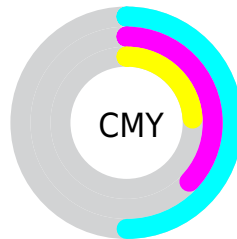
- Red (50%)
- Green (63%)
- Blue (76%)



- Red (50%)
- Yellow (59%)
- Blue (76%)



- Cyan (34%)
- Magenta (17%)
- Yellow (0%)
- Black (24%)




- Cyan (50%)
- Magenta (37%)
- Yellow (24%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 65, 21.351, 261.821 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, 21.351, 261.821 by changing the saturation by 10% instead.





 65, 21.351,  
261.821


 65, 21.351,  
261.821


 100, 21.351,  
261.821


 55, 21.351,  
261.821


 85, 21.351,  
261.821

 45, 21.351,  
261.821

 95, 21.351,  
261.821

 35, 21.351,  
261.821

 25, 21.351,  
261.821

 15, 21.351,  
261.821

 5, 21.351, 261.821

 0, 21.351, 261.821

65, 21.351,  
261.821

65, 21.351,  
261.821

61, 27.371,  
264.160

69, 15.227,  
259.852

57, 33.285,  
266.930

73, 9.019, 258.207

77, 2.748, 256.892

54, 39.112,  
270.175

81, 3.563, 75.470

50, 44.899,  
273.904

85, 9.891, 74.514

47, 50.724,  
278.064

89, 16.218, 73.650

93, 20.505, 81.297

43, 56.678,  
282.517

95, 23.744, 94.632

42, 60.147,  
284.977

97, 27.927,  
104.243

# Harmonies

# Complementary

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



65, 21.351, 261.821



69, 23.392, 71.934

# Rectangle

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



65, 21.351, 261.821



65, 21.351, 311.821



65, 21.351, 81.821



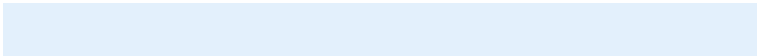
65, 21.351, 131.821

# Sweetspot

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



65, 21.350, 261.819



94, 7.765, 257.605



74, 30.293, 160.396



50, 5.337, 257.805



0, 0.000, 0.000



53, 0.007, 296.813

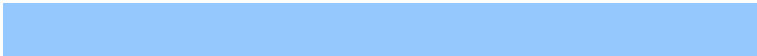


# Same Dimension

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



65, 21.350, 261.819



79, 31.261, 263.484



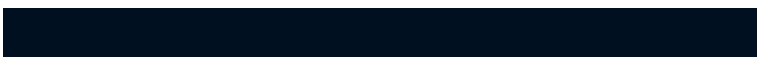
56, 38.378, 294.541



39, 3.553, 257.498



34, 51.343, 284.281



4, 12.924, 270.020





# Inverse Universe

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



61, 31.442, 347.352



74, 46.189, 348.262



77, 35.246, 106.884



38, 5.066, 344.790



34, 59.970, 2.204

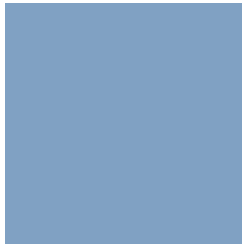


3, 15.766, 352.781



# Previews

## White Background



This preview shows how the CIE LCh color 65, 21.351, 261.821 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 CIELCh color 65, 21.351, 261.821 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

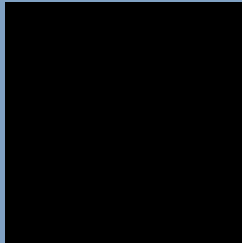
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

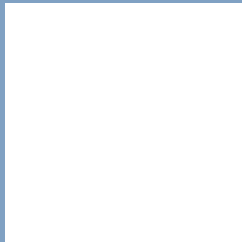
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# CIELCh 65, 21.351, 261.821

## Background



This preview shows how black text looks on a background with the CIELCh color 65, 21.351, 261.821.



This preview shows how white text looks on a background with the CIELCh color 65, 21.351, 261.821.

# 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, 21.351, 261.821

### Protanopia

65, 19.560, 285.153

### Deuteranopia

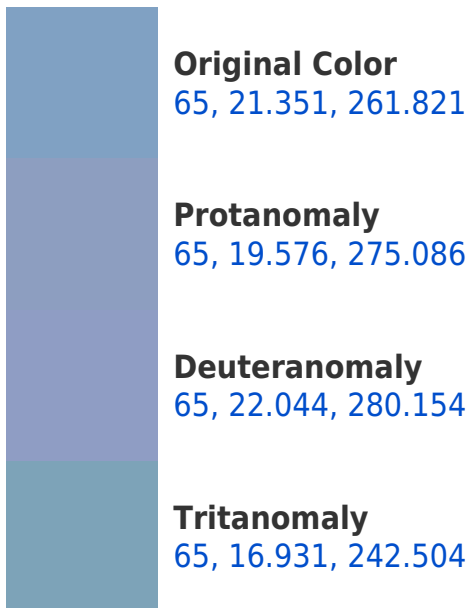
65, 23.942, 291.050



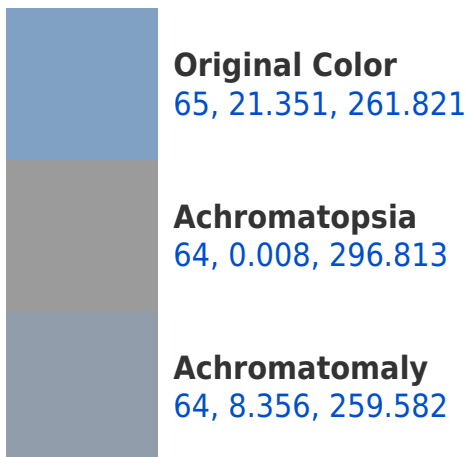
**Tritanopia**  
65, 15.219, 226.938



# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 65, 21.351, 261.821 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(128, 161, 195)` looks like.

```
.text, #text, p{  
    color:rgb(128, 161, 195)  
}
```

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(128, 161, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 161, 195) }
```

## Border

The CSS property to change the border of an element to CIELCh 65, 21.351, 261.821 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(128, 161, 195) }
```

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

```
.border{ border-color:rgb(128, 161, 195) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 161, 195)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 161, 195); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 161, 195);  
box-shadow:4px 4px 4px 4px rgb(128, 161,  
195) }
```

# Background

The CSS property to change the background color of an element to CIELCh 65, 21.351, 261.821 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 161, 195) }
```

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

```
.background{ background-color: rgb(128,  
161, 195) }
```

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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