

Converting Colors

CIELCh(65, 16.618, 209.187)

Have a look what the booklet for
CIELCh(65, 16.618, 209.187)
contains.

CIELCh(65, 16.645, 209.722)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(65, 16.645, 209.722)

Conversions

Conversions Part 1

Format	Color
Hex	76A6AC
RGB	118, 166, 172
RGB Percent	46%, 65%, 67%
CMY	0.5377, 0.3495, 0.3260
CMYK	0.31, 0.03, 0.00, 0.33
HSL	187°, 25%, 57%
HSV	187°, 31%, 67%
XYZ	28.5055, 34.0472, 44.0394
YIQ	152.3320, -30.5340, -8.3100

Conversions

Conversions Part 2

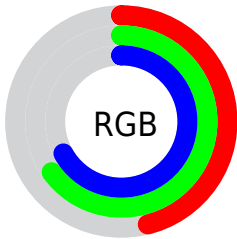
Format	Color
RYB	118, 143, 172
Decimal	7775916
CIELab	65.00, -14.46, -8.25
CIElCh	65, 16.645, 209.722
Yxy	34.0472, 0.2674, 0.3194
Android (android.graphics.Color)	4285965996 (0xFF76A6AC)
YUV	152.3320, 9.6963, -30.1092
Hunter-Lab	58.3500, -14.9105, -3.9040

Details

The CIELCh color $65, 16.645, 209.722$ is a light color, and the websafe version is hex 669999 . A complement of this color would be $57, 20.771, 30.879$, and the grayscale version is $63, 0.008, 296.813$.

A 20% lighter version of the original color is $85, 16.534, 209.415$, and $45, 16.563, 210.280$ is the 20% darker color. If you saturate the color by 10%, you get $64, 21.008, 209.964$, and if you desaturate by 10%, it is $67, 11.766, 209.626$.

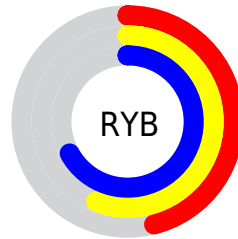
Distribution



Red (46%)

Green (65%)

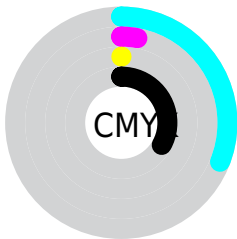
Blue (67%)



Red (46%)

Yellow (56%)

Blue (67%)

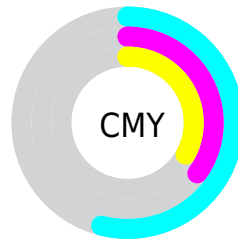


Cyan (31%)

Magenta (3%)

Yellow (0%)

Black (33%)



Cyan (54%)


Magenta (35%)


Yellow (33%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 65, 16.645, 209.722 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, 16.645, 209.722 by changing the saturation by 10% instead.


 65, 16.645,
209.722


 65, 16.645,
209.722


 100, 16.645,
209.722


 55, 16.645,
209.722


 85, 16.645,
209.722

 45, 16.645,
209.722

 95, 16.645,
209.722

 35, 16.645,
209.722

 25, 16.645,
209.722

 15, 16.645,
209.722

 5, 16.645, 209.722

 0, 16.645, 209.722

65, 16.645,
209.722

65, 16.645,
209.722

64, 21.008,
209.964

67, 11.766,
209.626

62, 24.765,
210.394

68, 6.462, 209.675

61, 27.838,
211.046

70, 0.821, 210.312

72, 5.080, 29.790

60, 30.174,
211.960

74, 11.172, 30.081

59, 31.756,
213.182

76, 17.399, 30.375

78, 23.715, 30.692

58, 32.621,
214.750

80, 29.924, 31.063

58, 32.966,
216.322

81, 29.400, 33.091

Harmonies

Complementary

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



65, 16.645, 209.722



57, 20.771, 30.879

Rectangle

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



65, 16.645, 209.722



65, 16.645, 259.722



65, 16.645, 29.722



65, 16.645, 79.722

Sweetspot

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



65, 16.645, 209.718



87, 6.367, 209.711



66, 33.981, 145.015



46, 4.402, 209.687



95, 0.011, 296.813



47, 0.006, 296.813

Same Dimension

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



65, 16.645, 209.718



82, 24.250, 209.880



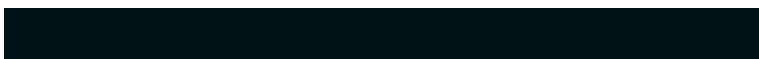
57, 19.582, 270.377



36, 3.246, 209.708



51, 29.912, 216.082



5, 6.788, 214.690

Inverse Universe

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



57, 33.753, 329.429



69, 50.442, 329.857



63, 20.282, 81.360



34, 6.107, 328.117



34, 71.557, 333.125



2, 12.420, 329.086

Previews

White Background



This preview shows how the CIELCh color 65, 16.645, 209.722 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, 16.645, 209.722 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

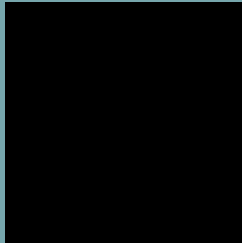
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 65, 16.645, 209.722

Background



This preview shows how black text looks on a background with the CIELCh color 65, 16.645, 209.722.

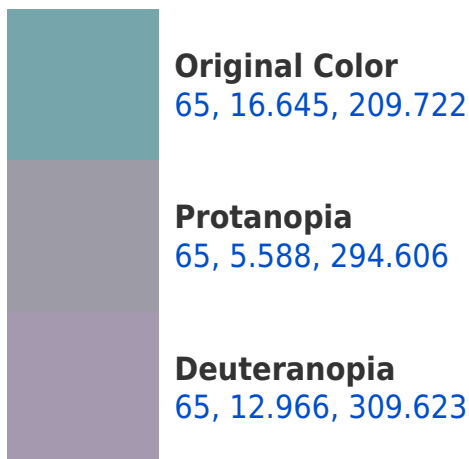



This preview shows how white text looks on a background with the CIELCh color 65, 16.645, 209.722.

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, 16.841, 223.839

Trichromacy



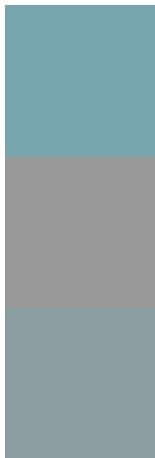
Original Color
65, 16.645, 209.722

Protanomaly
65, 7.520, 235.399

Deuteranomaly
65, 9.650, 266.909

Tritanomaly
65, 16.528, 220.083

Monochromacy



Original Color
65, 16.645, 209.722

Achromatopsia
63, 0.008, 296.813

Achromatomaly
64, 6.371, 209.047

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 65, 16.645, 209.722 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(118, 166, 172)` looks like.

```
.text, #text, p{  
    color:rgb(118, 166, 172)  
}
```

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(118, 166, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 166, 172) }
```

Border

The CSS property to change the border of an element to CIELCh 65, 16.645, 209.722 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(118, 166, 172) }
```

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

```
.border{ border-color:rgb(118, 166, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(118, 166, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 166, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 166, 172);  
box-shadow:4px 4px 4px 4px rgb(118, 166,  
172) }
```

Background

The CSS property to change the background color of an element to CIELCh 65, 16.645, 209.722 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 166, 172) }
```

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

```
.background{ background-color: rgb(118,  
166, 172) }
```

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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