

Converting Colors

CIELCh(65, 16.486, 168.070)

Have a look what the booklet for
CIELCh(65, 16.486, 168.070)
contains.

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Color

CIELCh(65, 16.504, 167.629)

Conversions

Conversions Part 1

Format	Color
Hex	80A697
RGB	128, 166, 151
RGB Percent	50%, 65%, 59%
CMY	0.4984, 0.3494, 0.4082
CMYK	0.23, 0.00, 0.09, 0.35
HSL	156°, 18%, 58%
HSV	156°, 23%, 65%
XYZ	28.0820, 34.0472, 34.3265
YIQ	152.9280, -17.8330, -12.7210

Conversions

Conversions Part 2

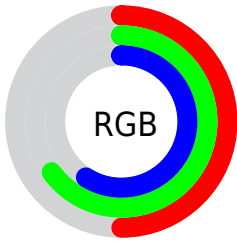
Format	Color
RYB	128, 152, 166
Decimal	8431255
CIELab	65.00, -16.12, 3.54
CIELCh	65, 16.504, 167.629
Yxy	34.0472, 0.2911, 0.3530
Android (android.graphics.Color)	4286621335 (0xFF80A697)
YUV	152.9280, -0.9505, -21.8619
Hunter-Lab	58.3500, -16.2060, 5.9655

Details

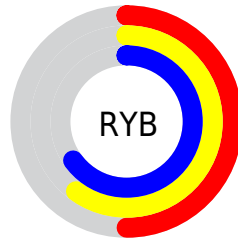
The CIELCh color $65, 16.504, 167.629$ is a light color, and the websafe version is hex 669999 . A complement of this color would be $58, 17.269, 351.944$, and the grayscale version is $63, 0.008, 296.813$.

A 20% lighter version of the original color is $85, 16.588, 167.760$, and $45, 16.532, 167.170$ is the 20% darker color. If you saturate the color by 10%, you get $64, 23.451, 166.539$, and if you desaturate by 10%, it is $66, 9.357, 168.628$.

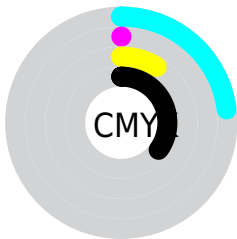
Distribution



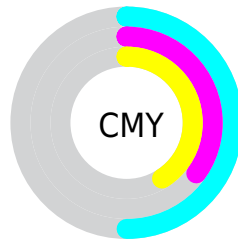
- Red (50%)
- Green (65%)
- Blue (59%)



- Red (50%)
- Yellow (60%)
- Blue (65%)



- Cyan (23%)
- Magenta (0%)
- Yellow (9%)
- Black (35%)





- Cyan (50%)
- Magenta (35%)
- Yellow (41%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 65, 16.504, 167.629 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, 16.504, 167.629 by changing the saturation by 10% instead.


 65, 16.504,
167.629


 65, 16.504,
167.629


 100, 16.504,
167.629


 55, 16.504,
167.629


 85, 16.504,
167.629

 45, 16.504,
167.629

 95, 16.504,
167.629

 35, 16.504,
167.629

 25, 16.504,
167.629

 15, 16.504,
167.629

 5, 16.504, 167.629

 0, 16.504, 167.629

65, 16.504,
167.629

65, 16.504,
167.629

64, 23.451,
166.539

66, 9.357, 168.628

63, 30.082,
165.337

68, 2.107, 169.672

69, 5.162, 350.247

62, 36.280,
163.997

71, 12.384,
351.067

61, 41.933,
162.495

73, 19.509,
351.807

61, 46.951,
160.808

74, 26.502,
352.498

60, 51.282,
158.918

76, 33.339,
353.150

60, 54.932,
156.826

78, 38.227,
351.952

60, 57.259,

155.308

 78, 39.772,
347.453

Harmonies

Complementary

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



65, 16.504, 167.629



58, 17.269, 351.944

Rectangle

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



65, 16.504, 167.629



65, 16.504, 217.629



65, 16.504, 347.629



65, 16.504, 37.629

Sweetspot

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



65, 16.505, 167.627



85, 6.319, 169.191



65, 22.821, 131.485



45, 4.138, 169.135



94, 0.011, 296.813



46, 0.006, 296.813

Same Dimension

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



65, 16.505, 167.627



82, 24.078, 167.139



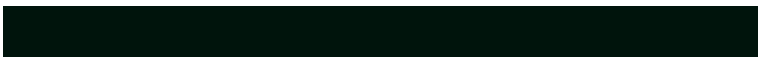
64, 12.281, 208.389



35, 4.157, 168.978



54, 52.401, 155.545



5, 8.023, 165.167

Inverse Universe

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



58, 17.269, 351.944



71, 25.428, 352.481



58, 14.337, 29.374



33, 4.236, 350.514



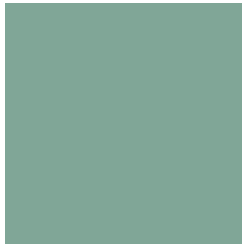
31, 56.452, 11.164



2, 7.370, 353.261

Previews

White Background



This preview shows how the CIELCh color 65, 16.504, 167.629 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, 16.504, 167.629 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

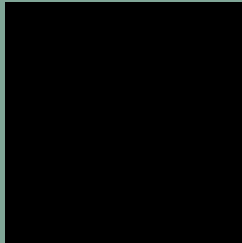
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

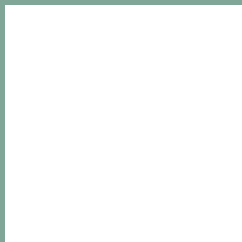
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 65, 16.504, 167.629

Background



This preview shows how black text looks on a background with the CIELCh color 65, 16.504, 167.629.

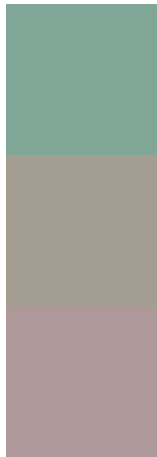


This preview shows how white text looks on a background with the CIELCh color 65, 16.504, 167.629.

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, 16.504, 167.629

Protanopia
65, 6.524, 88.212

Deuteranopia
65, 8.693, 12.890



Tritanopia
65, 12.263, 235.019

Trichromacy



Original Color
65, 16.504, 167.629

Protanomaly
65, 7.731, 139.477

Deuteranomaly
65, 2.213, 109.916

Tritanomaly
65, 11.521, 206.841

Monochromacy



Original Color
65, 16.504, 167.629

Achromatopsia
63, 0.008, 296.813

Achromatomaly
64, 6.326, 166.986

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 65, 16.504, 167.629 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, 166, 151)` looks like.

```
.text, #text, p{  
    color:rgb(128, 166, 151)  
}
```

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, 166, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 166, 151) }
```

Border

The CSS property to change the border of an element to CIELCh 65, 16.504, 167.629 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, 166, 151) }
```

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

```
.border{ border-color:rgb(128, 166, 151) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 166, 151)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 166, 151); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 166, 151);  
box-shadow:4px 4px 4px 4px rgb(128, 166,  
151) }
```

Background

The CSS property to change the background color of an element to CIELCh 65, 16.504, 167.629 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 166, 151) }
```

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

```
.background{ background-color: rgb(128,  
166, 151) }
```

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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