

Converting Colors

CIELCh(65, 35.332, 165.292)

Have a look what the booklet for
CIELCh(65, 35.332, 165.292)
contains.

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Color

CIELCh(65, 35.410, 165.333)

Conversions

Conversions Part 1

Format	Color
Hex	57AE8D
RGB	87, 174, 141
RGB Percent	34%, 68%, 55%
CMY	0.6603, 0.3191, 0.4485
CMYK	0.50, 0.00, 0.19, 0.32
HSL	157°, 35%, 51%
HSV	157°, 50%, 68%
XYZ	23.7395, 34.0472, 30.3802
YIQ	144.2250, -41.2590, -28.7070

Conversions

Conversions Part 2

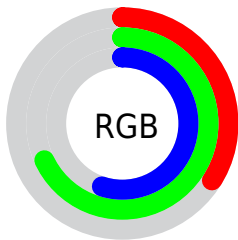
Format	Color
RYB	87, 141, 174
Decimal	5746317
CIELab	65.00, -34.26, 8.97
CIElCh	65, 35.410, 165.333
Yxy	34.0472, 0.2693, 0.3862
Android (android.graphics.Color)	4283936397 (0xFF57AE8D)
YUV	144.2250, -1.5899, -50.1863
Hunter-Lab	58.3500, -29.4903, 9.9753

Details

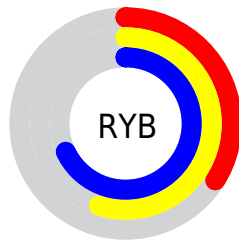
The CIELCh color **65, 35.410, 165.333** is a dark color, and the websafe version is hex **66CC99**. A complement of this color would be **48, 39.302, 356.888**, and the grayscale version is **60, 0.008, 296.813**.

A 20% lighter version of the original color is **85, 35.318, 165.627**, and **45, 35.418, 165.398** is the 20% darker color. If you saturate the color by 10%, you get **64, 41.317, 163.875**, and if you desaturate by 10%, it is **66, 28.960, 166.635**.

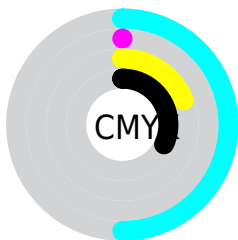
Distribution



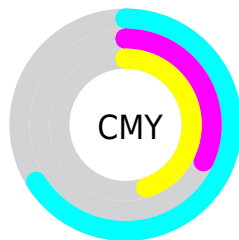
- Red (34%)
- Green (68%)
- Blue (55%)



- Red (34%)
- Yellow (55%)
- Blue (68%)



- Cyan (50%)
- Magenta (0%)
- Yellow (19%)
- Black (32%)





- Cyan (66%)
- Magenta (32%)
- Yellow (45%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 65, 35.410, 165.333 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, 35.410, 165.333 by changing the saturation by 10% instead.


 65, 35.410,
165.333


 65, 35.410,
165.333


 100, 35.410,
165.333


 55, 35.410,
165.333


 85, 35.410,
165.333

 45, 35.410,
165.333

 95, 35.410,
165.333

 35, 35.410,
165.333

 25, 35.410,
165.333

 15, 35.410,
165.333

 5, 35.410, 165.333

 0, 35.410, 165.333

65, 35.410,
165.333

65, 35.410,
165.333

64, 41.317,
163.875

66, 28.960,
166.635

64, 46.579,
162.240

67, 22.085,
167.808

63, 51.134,
160.406

68, 14.905,
168.875

63, 54.972,
158.368

69, 7.536, 169.869


63, 58.230,
156.235

71, 0.078, 175.919

73, 7.389, 351.480

74, 14.799,
352.281

76, 22.104,
353.018

 78, 29.270,
353.711

Harmonies

Complementary

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



65, 35.410, 165.333



48, 39.302, 356.888

Rectangle

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



65, 35.410, 165.333



65, 35.410, 215.333



65, 35.410, 345.333



65, 35.410, 35.333

Sweetspot

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



65, 35.411, 165.332



88, 13.869, 169.363



66, 51.276, 130.704



47, 9.526, 169.157



96, 0.011, 296.813



48, 0.006, 296.813

Same Dimension

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



65, 35.411, 165.332



82, 51.123, 163.726



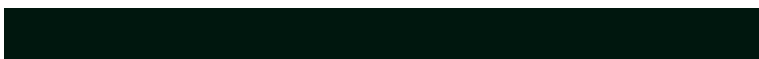
63, 24.403, 211.069



36, 4.216, 169.949



55, 52.134, 156.521



6, 9.539, 165.041

Inverse Universe

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



48, 39.302, 356.888



58, 57.602, 359.141



50, 35.775, 33.017



34, 4.302, 351.505



31, 57.335, 12.742



2, 8.597, 355.321

Previews

White Background



This preview shows how the CIELCh color 65, 35.410, 165.333 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, 35.410, 165.333 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

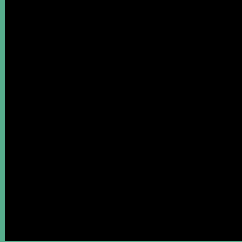
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 65, 35.410, 165.333

Background



This preview shows how black text looks on a background with the CIELCh color 65, 35.410, 165.333.

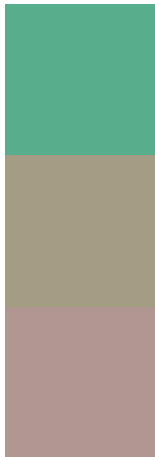


This preview shows how white text looks on a background with the CIELCh color 65, 35.410, 165.333.

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, 35.410, 165.333

Protanopia

65, 13.786, 93.268

Deuteranopia

64, 10.581, 38.479



Tritanopia
65, 23.070, 217.621

Trichromacy



Original Color
65, 35.410, 165.333

Protanomaly
64, 18.176, 142.494

Deuteranomaly
64, 10.903, 143.880

Tritanomaly
65, 24.952, 193.452

Monochromacy



Original Color
65, 35.410, 165.333

Achromatopsia
60, 0.008, 296.813

Achromatomaly
61, 13.904, 169.097

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 65, 35.410, 165.333 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(87, 174, 141)` looks like.

```
.text, #text, p{  
    color:rgb(87, 174, 141)  
}
```

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(87, 174, 141) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 174, 141) }
```

Border

The CSS property to change the border of an element to CIELCh 65, 35.410, 165.333 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(87, 174, 141) }
```

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

```
.border{ border-color:rgb(87, 174, 141) }
```

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

Here you see how a box with a 4 pixel rgb(87, 174, 141) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 174, 141); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 174, 141);  
box-shadow:4px 4px 4px 4px rgb(87, 174,  
141) }
```

Background

The CSS property to change the background color of an element to CIELCh 65, 35.410, 165.333 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 174, 141) }
```

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

```
.background{ background-color: rgb(87, 174,  
141) }
```

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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