

Converting Colors

CIELCh(65, 34.827, 167.916)

Have a look what the booklet for
CIELCh(65, 34.827, 167.916)
contains.

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Color

CIELCh(65, 34.827, 167.916)

Conversions

Conversions Part 1

Format	Color
Hex	55AE90
RGB	85, 174, 144
RGB Percent	33%, 68%, 56%
CMY	0.6681, 0.3191, 0.4367
CMYK	0.51, 0.00, 0.17, 0.32
HSL	160°, 35%, 51%
HSV	160°, 51%, 68%
XYZ	23.7849, 34.0472, 31.5633
YIQ	143.9690, -43.4140, -28.1980

Conversions

Conversions Part 2

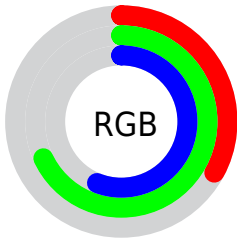
Format	Color
R_{YB}	85, 139, 174
Decimal	5615248
CIE _{Lab}	65.00, -34.06, 7.29
CIE _{LCh}	65, 34.827, 167.916
Yxy	34.0472, 0.2661, 0.3809
Android (android.graphics.Color)	4283805328 (0xFF55AE90)
YUV	143.9690, 0.0153, -51.7158
Hunter-Lab	58.3500, -29.3513, 8.7732

Details

The CIELCh color **65, 34.827, 167.916** is a dark color, and the websafe version is hex **66CC99**. A complement of this color would be **48, 39.629, 0.106**, and the grayscale version is **60, 0.008, 296.813**.

A 20% lighter version of the original color is **85, 34.863, 168.163**, and **45, 34.751, 168.124** is the 20% darker color. If you saturate the color by 10%, you get **64, 40.348, 166.464**, and if you desaturate by 10%, it is **66, 28.734, 169.218**.

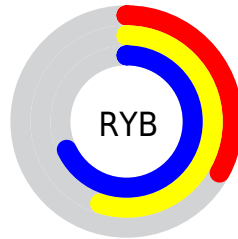
Distribution



Red (33%)

Green (68%)

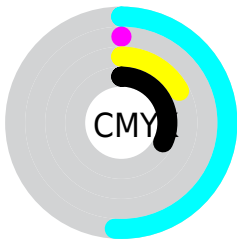
Blue (56%)



Red (33%)

Yellow (55%)

Blue (68%)

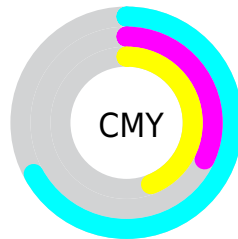


Cyan (51%)

Magenta (0%)

Yellow (17%)

Black (32%)



Cyan (67%)


Magenta (32%)


Yellow (44%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 65, 34.827, 167.916 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, 34.827, 167.916 by changing the saturation by 10% instead.


 65, 34.827,
167.916


 65, 34.827,
167.916


 100, 34.827,
167.916


 55, 34.827,
167.916


 85, 34.827,
167.916

 45, 34.827,
167.916

 95, 34.827,
167.916

 35, 34.827,
167.916

 25, 34.827,
167.916

 15, 34.827,
167.916

 5, 34.827, 167.916

 0, 34.827, 167.916

65, 34.827,
167.916

65, 34.827,
167.916

64, 40.348,
166.464

66, 28.734,
169.218

64, 45.203,
164.841

67, 22.181,
170.396

63, 49.342,
163.026

68, 15.285,
171.475

63, 52.768,
161.009

69, 8.163, 172.482

63, 55.342,
159.160

71, 0.914, 173.801

72, 6.377, 354.129

74, 13.642,
354.965

76, 20.828,
355.733

■ 78, 27.900,
356.458

Harmonies

Complementary

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



65, 34.827, 167.916



48, 39.629, 0.106

Rectangle

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



65, 34.827, 167.916



65, 34.827, 217.916



65, 34.827, 347.916



65, 34.827, 37.916

Sweetspot

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



65, 34.828, 167.915



88, 13.482, 172.084



65, 52.897, 131.684



47, 9.256, 171.876



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, 34.828, 167.915



82, 50.442, 166.178



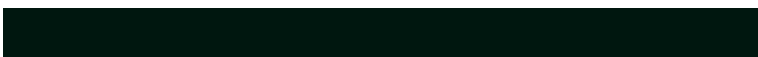
62, 24.253, 215.723



36, 4.103, 172.677



55, 49.566, 159.440



6, 9.259, 167.582

Inverse Universe

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



48, 39.629, 0.106



57, 58.693, 2.792



50, 35.912, 35.738



34, 4.200, 354.256



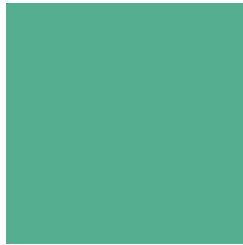
31, 58.005, 16.722



2, 8.440, 357.728

Previews

White Background



This preview shows how the CIELCh color 65, 34.827, 167.916 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, 34.827, 167.916 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

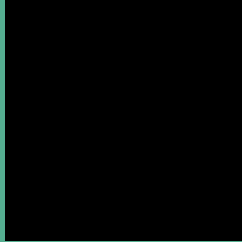
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 65, 34.827, 167.916

Background



This preview shows how black text looks on a background with the CIELCh color 65, 34.827, 167.916.

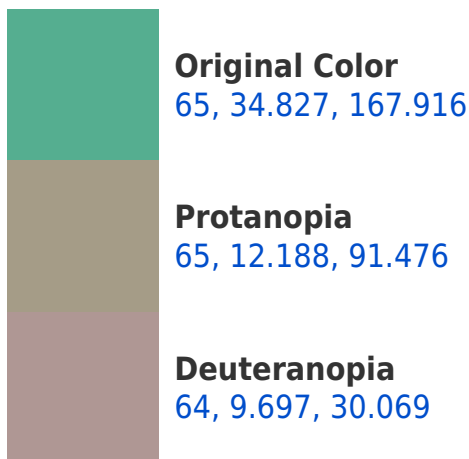


This preview shows how white text looks on a background with the CIELCh color 65, 34.827, 167.916.

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, 23.537, 217.178

Trichromacy



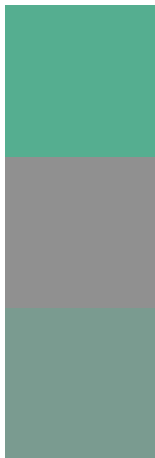
Original Color
65, 34.827, 167.916

Protanomaly
64, 16.801, 145.594

Deuteranomaly
64, 9.814, 151.116

Tritanomaly
65, 25.329, 194.755

Monochromacy



Original Color
65, 34.827, 167.916

Achromatopsia
60, 0.008, 296.813

Achromatomaly
61, 13.921, 171.727

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 65, 34.827, 167.916 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(85, 174, 144)` looks like.

```
.text, #text, p{  
    color:rgb(85, 174, 144)  
}
```

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(85, 174, 144) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(85, 174, 144) }
```

Border

The CSS property to change the border of an element to CIELCh 65, 34.827, 167.916 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(85, 174, 144) }
```

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

```
.border{ border-color:rgb(85, 174, 144) }
```

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

Here you see how a box with a 4 pixel rgb(85, 174, 144) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(85, 174, 144); -webkit-box-  
shadow:4px 4px 4px 4px rgb(85, 174, 144);  
box-shadow:4px 4px 4px 4px rgb(85, 174,  
144) }
```

Background

The CSS property to change the background color of an element to CIELCh 65, 34.827, 167.916 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(85, 174, 144) }
```

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

```
.background{ background-color: rgb(85, 174,  
144) }
```

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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