

Converting Colors

CIELCh(65, 10.195, 194.444)

Have a look what the booklet for
CIELCh(65, 10.195, 194.444)
contains.

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Color

CIELCh(65, 10.235, 195.419)

Conversions

Conversions Part 1

Format	Color
Hex	87A3A2
RGB	135, 163, 162
RGB Percent	53%, 64%, 64%
CMY	0.4698, 0.3600, 0.3639
CMYK	0.17, 0.00, 0.01, 0.36
HSL	178°, 13%, 59%
HSV	178°, 17%, 64%
XYZ	29.6941, 34.0472, 39.2812
YIQ	154.5140, -16.3670, -6.2470

Conversions

Conversions Part 2

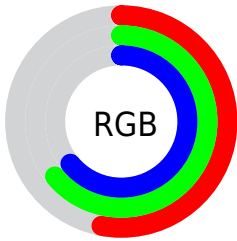
Format	Color
RYB	135, 149, 163
Decimal	8889250
CIELab	65.00, -9.87, -2.72
CIElCh	65, 10.235, 195.419
Yxy	34.0472, 0.2882, 0.3305
Android (android.graphics.Color)	4287079330 (0xFF87A3A2)
YUV	154.5140, 3.6906, -17.1138
Hunter-Lab	58.3500, -11.2744, 0.9310

Details

The CIELCh color $65, 10.235, 195.419$ is a light color, and the websafe version is hex 669999 . A complement of this color would be $59, 11.334, 17.706$, and the grayscale version is $64, 0.008, 296.813$.

A 20% lighter version of the original color is $85, 10.135, 195.755$, and $45, 10.037, 194.842$ is the 20% darker color. If you saturate the color by 10%, you get $64, 15.715, 194.806$, and if you desaturate by 10%, it is $66, 4.376, 196.085$.

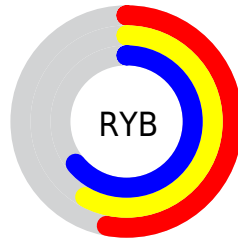
Distribution



Red (53%)

Green (64%)

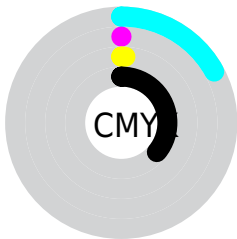
Blue (64%)



Red (53%)

Yellow (58%)

Blue (64%)

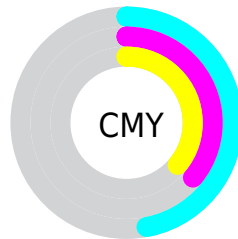


Cyan (17%)

Magenta (0%)

Yellow (1%)

Black (36%)



Cyan (47%)


Magenta (36%)


Yellow (36%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 65, 10.235, 195.419 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, 10.235, 195.419 by changing the saturation by 10% instead.


 65, 10.235,
195.419


 65, 10.235,
195.419


 100, 10.235,
195.419


 55, 10.235,
195.419


 85, 10.235,
195.419

 45, 10.235,
195.419

 95, 10.235,
195.419

 35, 10.235,
195.419

 25, 10.235,
195.419

 15, 10.235,
195.419

 5, 10.235, 195.419

 0, 10.235, 195.419

65, 10.235,
195.419

65, 10.235,
195.419

64, 15.715,
194.806

66, 4.376, 196.085

63, 20.717,
194.233

67, 1.771, 16.342

69, 8.122, 17.193

62, 25.145,
193.688

70, 14.608, 17.871

62, 28.913,
193.169

72, 21.170, 18.537

74, 27.761, 19.200

61, 31.959,
192.671

76, 34.346, 19.856

61, 34.250,
192.187

76, 36.560, 19.762

76, 36.526, 19.281

61, 35.798,
191.708

61, 36.702,

191.223

■ 61, 36.920,
191.087

Harmonies

Complementary

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



65, 10.235, 195.419



59, 11.334, 17.706

Rectangle

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



65, 10.235, 195.419



65, 10.235, 245.419



65, 10.235, 15.419



65, 10.235, 65.419

Sweetspot

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



65, 10.236, 195.412



84, 3.792, 196.257



64, 18.753, 142.126



45, 2.604, 196.198



93, 0.011, 296.813



45, 0.006, 296.813

Same Dimension

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



65, 10.236, 195.412



82, 15.291, 195.151



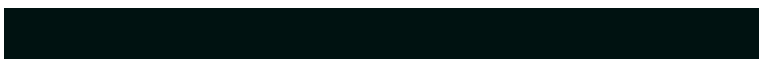
62, 8.899, 252.071



34, 3.441, 195.931



54, 33.903, 191.137



4, 5.481, 195.478

Inverse Universe

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



59, 11.334, 17.706



73, 17.400, 18.124



62, 9.425, 67.859



32, 3.630, 17.002



30, 66.817, 37.829



1, 5.473, 16.706

Previews

White Background



This preview shows how the CIELCh color 65, 10.235, 195.419 looks on a white background.

Color Contrast Check

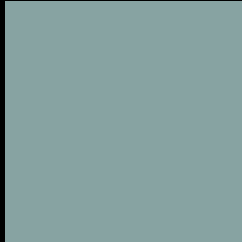
Large Text (above 18pt) WCAG AA × Fail

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, 10.235, 195.419 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

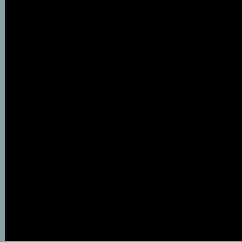
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

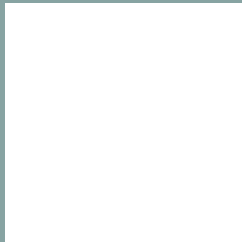
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 65, 10.235, 195.419

Background



This preview shows how black text looks on a background with the CIELCh color 65, 10.235, 195.419.

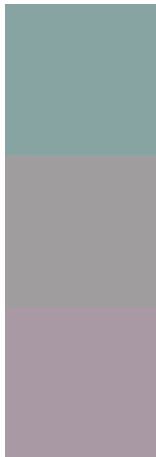


This preview shows how white text looks on a background with the CIELCh color 65, 10.235, 195.419.

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, 10.235, 195.419

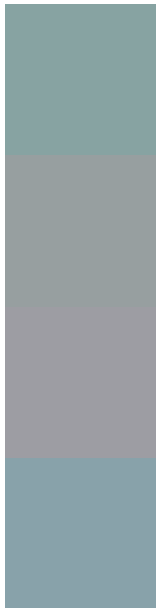
Protanopia
65, 1.285, 353.551

Deuteranopia
65, 8.670, 335.404



Tritanopia
65, 10.976, 240.253

Trichromacy



Original Color
65, 10.235, 195.419

Protanomaly
65, 3.049, 209.810

Deuteranomaly
65, 3.341, 290.548

Tritanomaly
65, 10.174, 224.758

Monochromacy



Original Color
65, 10.235, 195.419

Achromatopsia
64, 0.008, 296.813

Achromatomaly
64, 3.761, 199.188

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 65, 10.235, 195.419 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(135, 163, 162)` looks like.

```
.text, #text, p{  
    color:rgb(135, 163, 162)  
}
```

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(135, 163, 162) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 163, 162) }
```

Border

The CSS property to change the border of an element to CIELCh 65, 10.235, 195.419 is called "border". The border property can be set on classes, ids or directly on the HTML element.

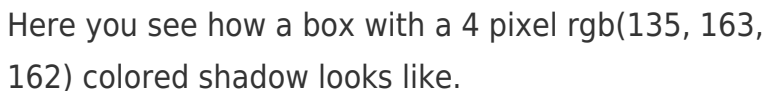
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(135, 163, 162) }
```

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

```
.border{ border-color:rgb(135, 163, 162) }
```

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



Here you see how a box with a 4 pixel `rgb(135, 163, 162)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(135, 163, 162); -webkit-box-shadow:4px 4px 4px 4px rgb(135, 163, 162); box-shadow:4px 4px 4px 4px rgb(135, 163, 162) }
```

Background

The CSS property to change the background color of an element to CIELCh 65, 10.235, 195.419 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 163, 162) }
```

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

```
.background{ background-color: rgb(135,  
163, 162) }
```

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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