

Converting Colors

CIELCh(65, 13.786, 198.567)

Have a look what the booklet for
CIELCh(65, 13.786, 198.567)
contains.

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Color

CIELCh(65, 13.857, 198.238)

Conversions

Conversions Part 1

Format	Color
Hex	7EA5A5
RGB	126, 165, 165
RGB Percent	49%, 65%, 65%
CMY	0.5060, 0.3531, 0.3531
CMYK	0.24, 0.00, 0.00, 0.35
HSL	180°, 18%, 57%
HSV	180°, 24%, 65%
XYZ	28.8375, 34.0472, 40.6335
YIQ	153.3390, -23.2440, -8.2680

Conversions

Conversions Part 2

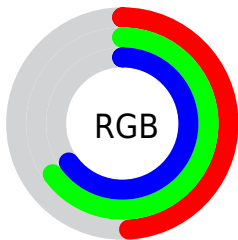
Format	Color
R_{YB}	126, 146, 165
Decimal	8299941
CIE _{Lab}	65.00, -13.16, -4.34
CIE _{LCh}	65, 13.857, 198.238
Yxy	34.0472, 0.2786, 0.3289
Android (android.graphics.Color)	4286490021 (0xFF7EA5A5)
YUV	153.3390, 5.7489, -23.9763
Hunter-Lab	58.3500, -13.8949, -0.4432

Details

The CIELCh color `65, 13.857, 198.238` is a light color, and the websafe version is hex `669999`. A complement of this color would be `57, 16.174, 21.146`, and the grayscale version is `63, 0.008, 296.813`.

A 20% lighter version of the original color is `85, 13.693, 198.487`, and `45, 13.678, 197.880` is the 20% darker color. If you saturate the color by 10%, you get `64, 19.000, 197.789`, and if you desaturate by 10%, it is `66, 8.243, 198.738`.

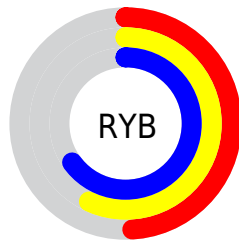
Distribution



Red (49%)

Green (65%)

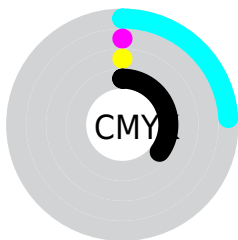
Blue (65%)



Red (49%)

Yellow (57%)

Blue (65%)

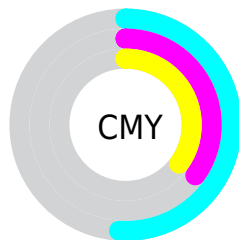


Cyan (24%)

Magenta (0%)

Yellow (0%)

Black (35%)



Cyan (51%)


Magenta (35%)


Yellow (35%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 65, 13.857, 198.238 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, 13.857, 198.238 by changing the saturation by 10% instead.


 65, 13.857,
198.238


 65, 13.857,
198.238


 100, 13.857,
198.238


 55, 13.857,
198.238


 85, 13.857,
198.238

 45, 13.857,
198.238

 95, 13.857,
198.238

 35, 13.857,
198.238

 25, 13.857,
198.238

 15, 13.857,
198.238

 5, 13.857, 198.238

 0, 13.857, 198.238

65, 13.857,
198.238

65, 13.857,
198.238

64, 19.000,
197.789

66, 8.243, 198.738

63, 23.575,
197.404

67, 2.254, 199.415

69, 4.019, 19.638

63, 27.495,
197.079

70, 10.496, 20.292

62, 30.692,
196.819

72, 17.108, 20.907

73, 23.798, 21.525

62, 33.128,
196.622

75, 30.521, 22.145

62, 34.805,
196.488

77, 36.042, 22.654

77, 36.042, 22.653

61, 35.775,
196.410

61, 36.176,

Harmonies

Complementary

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



65, 13.857, 198.238



57, 16.174, 21.146

Rectangle

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



65, 13.857, 198.238



65, 13.857, 248.238



65, 13.857, 18.238



65, 13.857, 68.238

Sweetspot

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



65, 13.858, 198.233



85, 5.320, 199.125



64, 26.380, 142.506



45, 3.446, 199.089



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, 13.858, 198.233



82, 19.954, 198.010



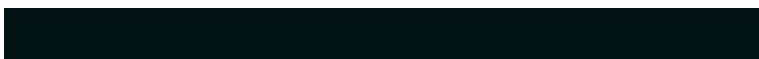
60, 12.623, 256.987



34, 3.428, 198.989



54, 32.968, 196.378



4, 5.463, 199.416

Inverse Universe

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



57, 16.174, 21.146



69, 24.129, 21.669



61, 13.523, 70.766



32, 3.629, 19.899



30, 68.061, 39.262



1, 5.464, 19.401

Previews

White Background



This preview shows how the CIELCh color 65, 13.857, 198.238 looks on a white background.

Color Contrast Check

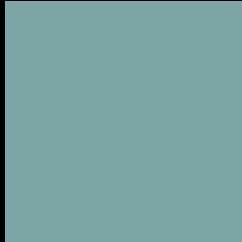
Large Text (above 18pt) WCAG AA × Fail

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, 13.857, 198.238 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

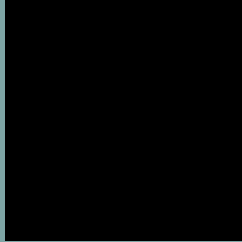
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 65, 13.857, 198.238

Background



This preview shows how black text looks on a background with the CIELCh color 65, 13.857, 198.238.



This preview shows how white text looks on a background with the CIELCh color 65, 13.857, 198.238.

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](#).

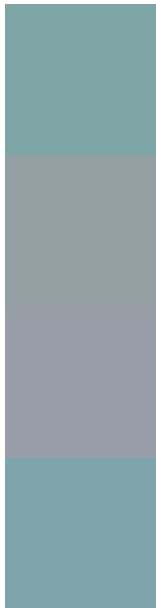
Dichromacy





Tritanopia
65, 13.867, 230.145

Trichromacy



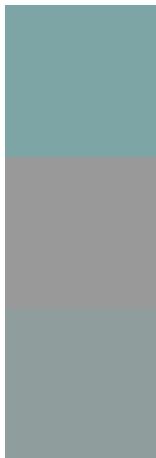
Original Color
65, 13.857, 198.238

Protanomaly
65, 4.731, 219.831

Deuteranomaly
65, 5.733, 275.815

Tritanomaly
65, 13.512, 217.731

Monochromacy



Original Color
65, 13.857, 198.238

Achromatopsia
63, 0.008, 296.813

Achromatomaly
64, 5.240, 199.017

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 65, 13.857, 198.238 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(126, 165, 165)` looks like.

```
.text, #text, p{  
    color:rgb(126, 165, 165)  
}
```

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(126, 165, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(126, 165, 165) }
```

Border

The CSS property to change the border of an element to CIELCh 65, 13.857, 198.238 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(126, 165, 165) }
```

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

```
.border{ border-color:rgb(126, 165, 165) }
```

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

Here you see how a box with a 4 pixel `rgb(126, 165, 165)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(126, 165, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(126, 165, 165);  
box-shadow:4px 4px 4px 4px rgb(126, 165,  
165) }
```

Background

The CSS property to change the background color of an element to CIELCh 65, 13.857, 198.238 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(126, 165, 165) }
```

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

```
.background{ background-color: rgb(126,  
165, 165) }
```

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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