

Converting Colors

CIELCh(65, 12.994, 198.423)

Have a look what the booklet for
CIELCh(65, 12.994, 198.423)
contains.

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Color

CIELCh(65, 13.200, 198.296)

Conversions

Conversions Part 1

Format	Color
Hex	80A5A5
RGB	128, 165, 165
RGB Percent	50%, 65%, 65%
CMY	0.4994, 0.3543, 0.3543
CMYK	0.22, 0.00, 0.00, 0.35
HSL	180°, 17%, 57%
HSV	180°, 22%, 65%
XYZ	28.9995, 34.0472, 40.4704
YIQ	153.9370, -22.0520, -7.8440

Conversions

Conversions Part 2

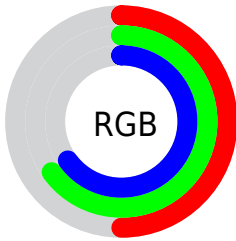
Format	Color
R _Y B	128, 147, 165
Decimal	8431013
CIE Lab	65.00, -12.53, -4.14
CIE LCh	65, 13.200, 198.296
Yxy	34.0472, 0.2801, 0.3289
Android (android.graphics.Color)	4286621093 (0xFF80A5A5)
YUV	153.9370, 5.4541, -22.7467
Hunter-Lab	58.3500, -13.3991, -0.2774

Details

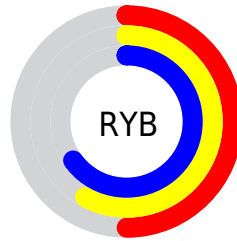
The CIELCh color `65, 13.200, 198.296` is a light color, and the websafe version is hex `669999`. A complement of this color would be `57, 15.278, 21.030`, and the grayscale version is `63, 0.008, 296.813`.

A 20% lighter version of the original color is `85, 13.045, 198.534`, and `45, 13.024, 197.954` is the 20% darker color. If you saturate the color by 10%, you get `64, 18.396, 197.840`, and if you desaturate by 10%, it is `66, 7.546, 198.805`.

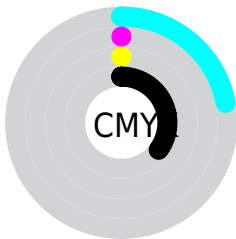
Distribution



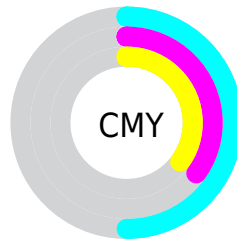
- Red (50%)
- Green (65%)
- Blue (65%)



- Red (50%)
- Yellow (58%)
- Blue (65%)



- Cyan (22%)
- Magenta (0%)
- Yellow (0%)
- Black (35%)





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


Brightness & Saturation Gradients


These gradients show how the CIELCh color 65, 13.200, 198.296 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, 13.200, 198.296 by changing the saturation by 10% instead.


 65, 13.200,
198.296


 65, 13.200,
198.296


 100, 13.200,
198.296


 55, 13.200,
198.296


 85, 13.200,
198.296

 45, 13.200,
198.296

 95, 13.200,
198.296

 35, 13.200,
198.296

 25, 13.200,
198.296

 15, 13.200,
198.296

 5, 13.200, 198.296

 0, 13.200, 198.296

65, 13.200,
198.296

65, 13.200,
198.296

64, 18.396,
197.840

66, 7.546, 198.805

63, 23.035,
197.448

67, 1.529, 199.580

69, 4.762, 19.725

63, 27.030,
197.116

70, 11.248, 20.365

62, 30.309,
196.848

72, 17.861, 20.981

73, 24.546, 21.599

62, 32.832,
196.644

75, 31.259, 22.219

61, 34.594,
196.503

77, 36.189, 22.674

77, 36.189, 22.673

61, 35.641,
196.419

61, 36.123,

Harmonies

Complementary

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



65, 13.200, 198.296



57, 15.278, 21.030

Rectangle

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



65, 13.200, 198.296



65, 13.200, 248.296



65, 13.200, 18.296



65, 13.200, 68.296

Sweetspot

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



65, 13.201, 198.291



85, 5.320, 199.127



64, 25.029, 142.595



45, 3.446, 199.091



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, 13.201, 198.291



82, 19.313, 198.057



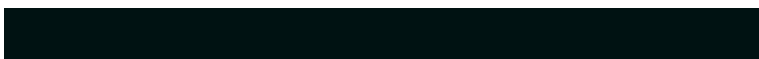
60, 11.989, 256.787



34, 3.428, 198.991



54, 32.967, 196.381



4, 5.463, 199.418

Inverse Universe

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



57, 15.278, 21.030



70, 23.180, 21.556



62, 12.795, 70.906



32, 3.629, 19.900



30, 68.062, 39.263



1, 5.464, 19.402

Previews

White Background



This preview shows how the CIE LCh color 65, 13.200, 198.296 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, 13.200, 198.296 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

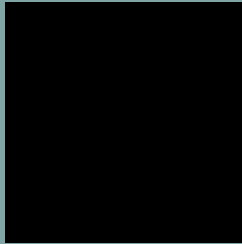
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

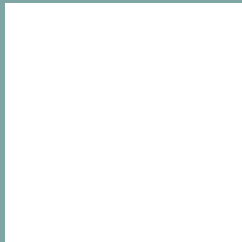
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 65, 13.200, 198.296

Background



This preview shows how black text looks on a background with the CIELCh color 65, 13.200, 198.296.

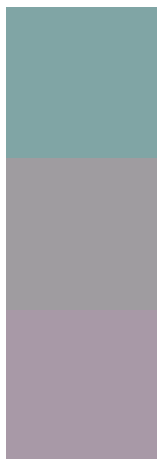


This preview shows how white text looks on a background with the CIELCh color 65, 13.200, 198.296.

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, 13.200, 198.296

Protanopia

65, 2.520, 317.333

Deuteranopia

65, 9.677, 326.756



Tritanopia
65, 13.325, 231.623

Trichromacy



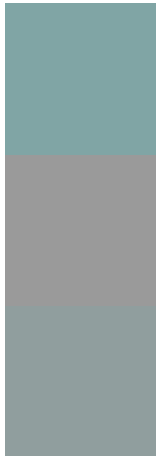
Original Color
65, 13.200, 198.296

Protanomaly
65, 4.391, 221.544

Deuteranomaly
65, 5.199, 274.135

Tritanomaly
65, 12.905, 218.722

Monochromacy



Original Color
65, 13.200, 198.296

Achromatopsia
64, 0.008, 296.813

Achromatomaly
64, 5.235, 199.020

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 65, 13.200, 198.296 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, 165, 165)` looks like.

```
.text, #text, p{  
    color:rgb(128, 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(128, 165, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 165, 165) }
```

Border

The CSS property to change the border of an element to CIELCh 65, 13.200, 198.296 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, 165, 165) }
```

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

```
.border{ border-color:rgb(128, 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(128, 165, 165)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 165, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 165, 165);  
box-shadow:4px 4px 4px 4px rgb(128, 165,  
165) }
```

Background

The CSS property to change the background color of an element to CIELCh 65, 13.200, 198.296 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 165, 165) }
```

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

```
.background{ background-color: rgb(128,  
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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