

Converting Colors

CIELCh(65, 5.120, 199.037)

Have a look what the booklet for
CIELCh(65, 5.120, 199.037) contains.

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Color

CIELCh(65, 4.858, 199.066)

Conversions

Conversions Part 1

Format	Color
Hex	93A0A0
RGB	147, 160, 160
RGB Percent	58%, 63%, 63%
CMY	0.4222, 0.3712, 0.3712
CMYK	0.08, 0.00, 0.00, 0.37
HSL	180°, 6%, 60%
HSV	180°, 8%, 63%
XYZ	31.1008, 34.0472, 38.3497
YIQ	156.1130, -7.7480, -2.7560

Conversions

Conversions Part 2

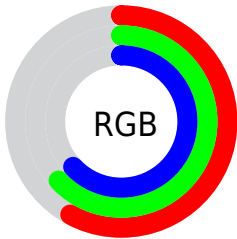
Format	Color
RYB	147, 154, 160
Decimal	9674912
CIELab	65.00, -4.59, -1.59
CIELCh	65, 4.858, 199.066
Yxy	34.0472, 0.3005, 0.3290
Android (android.graphics.Color)	4287864992 (0xFF93A0A0)
YUV	156.1130, 1.9163, -7.9921
Hunter-Lab	58.3500, -6.9711, 1.8774

Details

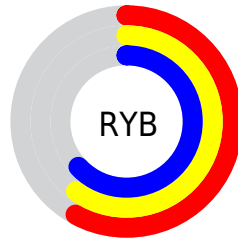
The CIELCh color $65, 4.858, 199.066$ is a light color, and the websafe version is hex 999999 . A complement of this color would be $62, 5.107, 19.796$, and the grayscale version is $65, 0.008, 296.813$.

A 20% lighter version of the original color is $85, 4.969, 199.164$, and $45, 5.163, 198.864$ is the 20% darker color. If you saturate the color by 10%, you get $64, 10.560, 198.493$, and if you desaturate by 10%, it is $66, 1.157, 19.089$.

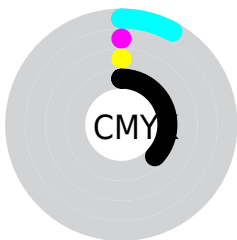
Distribution



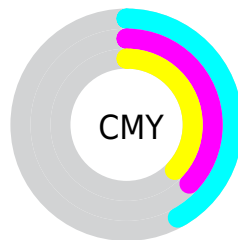
- Red (58%)
- Green (63%)
- Blue (63%)



- Red (58%)
- Yellow (60%)
- Blue (63%)



- Cyan (8%)
- Magenta (0%)
- Yellow (0%)
- Black (37%)



- Cyan (42%)
- Magenta (37%)
- Yellow (37%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 65, 4.858, 199.066 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, 4.858, 199.066 by changing the saturation by 10% instead.

■ 65, 4.858, 199.066

■ 65, 4.858, 199.066

■ 100, 4.858,
199.066

■ 55, 4.858, 199.066

■ 85, 4.858, 199.066

■ 45, 4.858, 199.066

■ 95, 4.858, 199.066

■ 35, 4.858, 199.066

■ 25, 4.858, 199.066

■ 15, 4.858, 199.066

■ 5, 4.858, 199.066

■ 0, 4.858, 199.066

■ 65, 4.858, 199.066

■ 65, 4.858, 199.066

■ 64, 10.560,

■ 66, 1.157, 19.089

198.493

68, 7.406, 19.999

63, 15.854,
198.017

69, 13.814, 20.618

62, 20.647,
197.599

71, 20.322, 21.233

61, 24.847,
197.240

72, 26.881, 21.851

61, 28.377,
196.942

74, 33.452, 22.470

60, 31.182,
196.709

75, 38.133, 22.909

60, 33.240,
196.539

75, 38.132, 22.907

60, 34.574,
196.428

60, 35.310,
196.366

Harmonies

Complementary

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



65, 4.858, 199.066



62, 5.107, 19.796

Rectangle

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



65, 4.858, 199.066



65, 4.858, 249.066



65, 4.858, 19.066



65, 4.858, 69.066

Sweetspot

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



65, 4.859, 199.049



84, 1.507, 199.656



65, 8.790, 143.572



44, 0.855, 199.686



92, 0.011, 296.813



44, 0.006, 296.813

Same Dimension

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



65, 4.859, 199.049



82, 7.397, 198.922



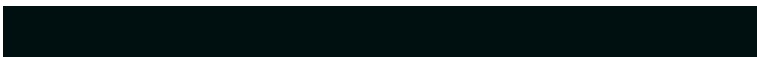
63, 4.279, 254.671



33, 3.339, 198.979



54, 32.548, 196.356



3, 4.473, 199.401

Inverse Universe

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



62, 5.107, 19.796



78, 7.878, 19.958



64, 4.364, 72.571



31, 3.534, 19.883



29, 67.085, 39.153



1, 4.473, 19.389

Previews

White Background



This preview shows how the CIELCh color 65, 4.858, 199.066 looks on a white background.

Color Contrast Check

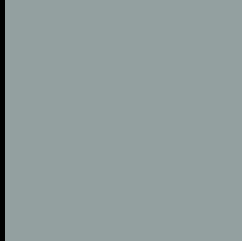
Large Text (above 18pt) WCAG AA × Fail

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, 4.858, 199.066 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

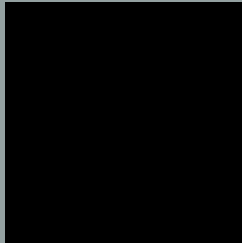
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

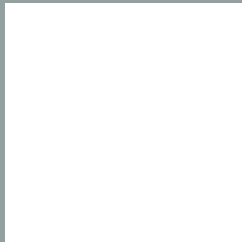
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 65, 4.858, 199.066

Background



This preview shows how black text looks on a background with the CIELCh color 65, 4.858, 199.066.

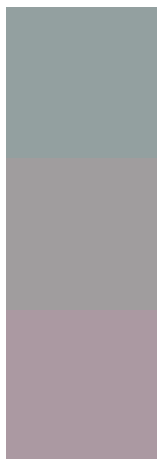


This preview shows how white text looks on a background with the CIELCh color 65, 4.858, 199.066.

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, 4.858, 199.066

Protanopia

65, 1.285, 353.551

Deuteranopia

65, 8.548, 344.479



Tritanopia
65, 7.523, 261.948

Trichromacy



Original Color

65, 4.858, 199.066

Protanomaly

65, 1.260, 225.883

Deuteranomaly

65, 3.623, 329.539

Tritanomaly

65, 5.943, 247.810

Monochromacy



Original Color

65, 4.858, 199.066

Achromatopsia

64, 0.008, 296.813

Achromatomaly

65, 1.894, 199.478

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 65, 4.858, 199.066 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(147, 160, 160)` looks like.

```
.text, #text, p{  
    color:rgb(147, 160, 160)  
}
```

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(147, 160, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 160, 160) }
```

Border

The CSS property to change the border of an element to CIELCh 65, 4.858, 199.066 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(147, 160, 160) }
```

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

```
.border{ border-color:rgb(147, 160, 160) }
```

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

Here you see how a box with a 4 pixel rgb(147, 160, 160) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(147, 160, 160); -webkit-box-  
shadow:4px 4px 4px 4px rgb(147, 160, 160);  
box-shadow:4px 4px 4px 4px rgb(147, 160,  
160) }
```

Background

The CSS property to change the background color of an element to CIELCh 65, 4.858, 199.066 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 160, 160) }
```

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

```
.background{ background-color: rgb(147,  
160, 160) }
```

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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