

Converting Colors

CIELCh(65, 5.989, 133.995)

Have a look what the booklet for
CIELCh(65, 5.989, 133.995) contains.

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Color

CIELCh(65, 6.188, 135.501)

Conversions

Conversions Part 1

Format	Color
Hex	99A096
RGB	153, 160, 150
RGB Percent	60%, 63%, 59%
CMY	0.4006, 0.3731, 0.4123
CMYK	0.04, 0.00, 0.06, 0.37
HSL	102°, 5%, 61%
HSV	102°, 6%, 63%
XYZ	31.1490, 34.0472, 33.7238
YIQ	156.7670, -0.9620, -4.5940

Conversions

Conversions Part 2

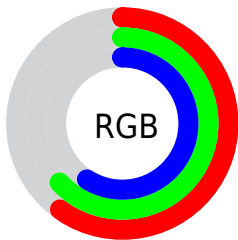
Format	Color
RYB	150, 160, 157
Decimal	10068118
CIELab	65.00, -4.41, 4.34
CIElCh	65, 6.188, 135.501
Yxy	34.0472, 0.3149, 0.3442
Android (android.graphics.Color)	4288258198 (0xFF99A096)
YUV	156.7670, -3.3361, -3.3037
Hunter-Lab	58.3500, -6.8237, 6.5778

Details

The CIELCh color $65, 6.188, 135.501$ is a light color, and the websafe version is hex 999999 . A complement of this color would be $63, 6.231, 315.967$, and the grayscale version is $65, 0.008, 296.813$.

A 20% lighter version of the original color is $85, 6.488, 136.404$, and $45, 6.643, 135.381$ is the 20% darker color. If you saturate the color by 10%, you get $64, 16.154, 135.036$, and if you desaturate by 10%, it is $66, 3.696, 315.842$.

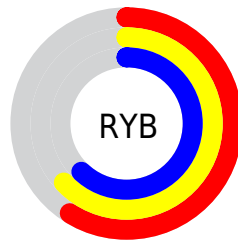
Distribution



Red (60%)

Green (63%)

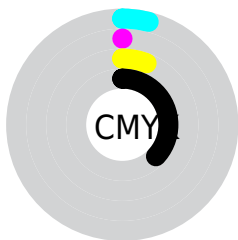
Blue (59%)



Red (59%)

Yellow (63%)

Blue (62%)

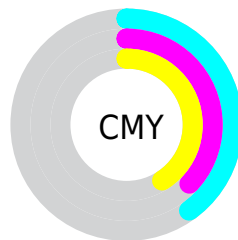


Cyan (4%)

Magenta (0%)

Yellow (6%)

Black (37%)



Cyan (40%)

Magenta (37%)

Yellow (41%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 65, 6.188, 135.501 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, 6.188, 135.501 by changing the saturation by 10% instead.

65, 6.188, 135.501

65, 6.188, 135.501

100, 6.188,
135.501

55, 6.188, 135.501

85, 6.188, 135.501

45, 6.188, 135.501

95, 6.188, 135.501

35, 6.188, 135.501

25, 6.188, 135.501

15, 6.188, 135.501

5, 6.188, 135.501

0, 6.188, 135.501

65, 6.188, 135.501

65, 6.188, 135.501

64, 16.154,

66, 3.696, 315.842

135.036

68, 13.447,
316.227

63, 26.118,
134.534

69, 23.026,
316.541

62, 35.975,
133.998

71, 32.408,
316.812

61, 45.572,
133.448

72, 41.577,
317.046

60, 54.701,
132.927

74, 50.527,
317.246

59, 63.079,
132.502

76, 56.105,
318.909

59, 70.335,
132.274

77, 57.463,
322.528

58, 76.058,
132.367

78, 59.013,
326.027

58, 79.987,
132.848

Harmonies

Complementary

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



65, 6.188, 135.501



63, 6.231, 315.967

Rectangle

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



65, 6.188, 135.501



65, 6.188, 185.501



65, 6.188, 315.501



65, 6.188, 5.501

Sweetspot

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



65, 6.190, 135.504



83, 2.426, 135.732



65, 4.040, 92.912



44, 1.390, 135.741



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, 6.190, 135.504



82, 9.763, 135.417



65, 5.900, 150.183



33, 5.554, 135.366



52, 74.685, 132.885



3, 7.287, 136.226

Inverse Universe

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



63, 6.231, 315.967



78, 9.835, 316.051



63, 5.920, 330.863



31, 5.598, 316.098



26, 77.673, 317.561



1, 7.189, 314.605

Previews

White Background



This preview shows how the CIELCh color 65, 6.188, 135.501 looks on a white background.

Color Contrast Check

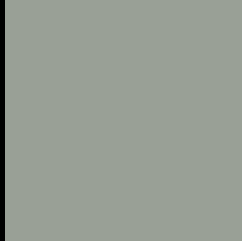
Large Text (above 18pt) WCAG AA × Fail

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, 6.188, 135.501 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

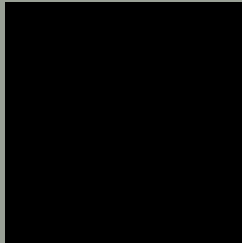
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

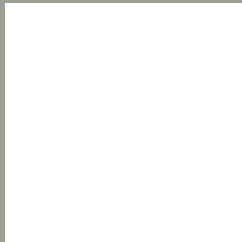
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 65, 6.188, 135.501

Background



This preview shows how black text looks on a background with the CIELCh color 65, 6.188, 135.501.



This preview shows how white text looks on a background with the CIELCh color 65, 6.188, 135.501.

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, 6.188, 135.501

Protanopia

65, 5.500, 84.234

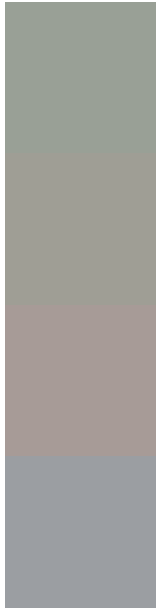
Deuteranopia

65, 9.104, 23.681



Tritanopia
65, 6.680, 287.719

Trichromacy



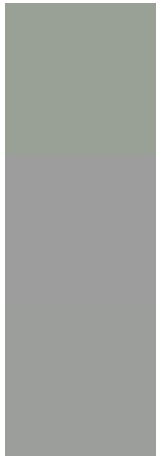
Original Color
65, 6.188, 135.501

Protanomaly
65, 4.993, 105.149

Deuteranomaly
65, 5.192, 44.930

Tritanomaly
65, 2.481, 263.387

Monochromacy



Original Color
65, 6.188, 135.501

Achromatopsia
65, 0.008, 296.813

Achromatomaly
65, 2.507, 137.255

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 65, 6.188, 135.501 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(153, 160, 150)` looks like.

```
.text, #text, p{  
    color:rgb(153, 160, 150)  
}
```

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(153, 160, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 160, 150) }
```

Border

The CSS property to change the border of an element to CIELCh 65, 6.188, 135.501 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(153, 160, 150) }
```

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

```
.border{ border-color:rgb(153, 160, 150) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 160, 150)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 160, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 160, 150);  
box-shadow:4px 4px 4px 4px rgb(153, 160,  
150) }
```

Background

The CSS property to change the background color of an element to CIELCh 65, 6.188, 135.501 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 160, 150) }
```

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

```
.background{ background-color: rgb(153,  
160, 150) }
```

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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