

Converting Colors

CIELCh(65, 0.551, 191.514)

Have a look what the booklet for
CIELCh(65, 0.551, 191.514) contains.

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Color

CIELCh(65, 0.380, 200.590)

Conversions

Conversions Part 1

Format	Color
Hex	9D9E9E
RGB	157, 158, 158
RGB Percent	62%, 62%, 62%
CMY	0.3847, 0.3807, 0.3807
CMYK	0.01, 0.00, 0.00, 0.38
HSL	180°, 1%, 62%
HSV	180°, 1%, 62%
XYZ	32.2620, 34.0472, 37.1781
YIQ	157.7010, -0.5960, -0.2120

Conversions

Conversions Part 2

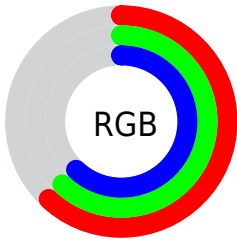
Format	Color
RYB	157, 158, 158
Decimal	10329758
CIELab	65.00, -0.36, -0.13
CIELCh	65, 0.380, 200.590
Yxy	34.0472, 0.3117, 0.3290
Android (android.graphics.Color)	4288519838 (0xFF9D9E9E)
YUV	157.7010, 0.1474, -0.6148
Hunter-Lab	58.3500, -3.4188, 3.0679

Details

The CIELCh color $65, 0.380, 200.590$ is a light color, and the websafe version is hex 999999 . A complement of this color would be $65, 0.385, 18.018$, and the grayscale version is $65, 0.008, 296.813$.

A 20% lighter version of the original color is $85, 0.359, 200.989$, and $45, 0.408, 200.214$ is the 20% darker color. If you saturate the color by 10%, you get $64, 6.253, 198.681$, and if you desaturate by 10%, it is $66, 5.739, 19.631$.

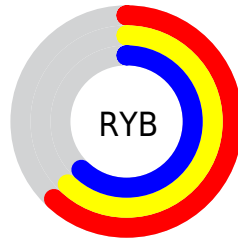
Distribution



Red (62%)

Green (62%)

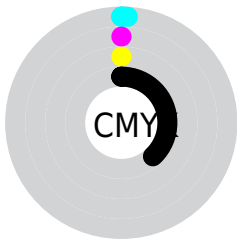
Blue (62%)



Red (62%)

Yellow (62%)

Blue (62%)

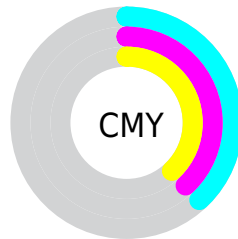


Cyan (1%)

Magenta (0%)

Yellow (0%)

Black (38%)



Cyan (38%)

Magenta (38%)

Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 65, 0.380, 200.590 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, 0.380, 200.590 by changing the saturation by 10% instead.

■ 65, 0.380, 200.590

■ 65, 0.380, 200.590

100, 0.380,
200.590

■ 55, 0.380, 200.590

■ 85, 0.380, 200.590

■ 45, 0.380, 200.590

■ 95, 0.380, 200.590

■ 35, 0.380, 200.590

■ 25, 0.380, 200.590

■ 15, 0.380, 200.590

■ 5, 0.380, 200.590

■ 0, 0.380, 200.590

■ 65, 0.380, 200.590

■ 65, 0.380, 200.590

■ 64, 6.253, 198.681

■ 66, 5.739, 19.631

63, 11.794,
198.144

68, 12.031, 20.263

62, 16.913,
197.674

69, 18.435, 20.881

61, 21.515,
197.259

71, 24.899, 21.501

60, 25.513,
196.901

75, 37.855, 22.741

60, 28.836,
196.603

75, 39.218, 22.846

59, 31.434,
196.365

75, 39.214, 22.813

59, 33.298,
196.185

75, 39.210, 22.780

59, 34.459,
196.060

Harmonies

Complementary

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



65, 0.380, 200.590



65, 0.385, 18.018

Rectangle

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



65, 0.380, 200.590



65, 0.380, 250.590



65, 0.380, 20.590



65, 0.380, 70.590

Sweetspot

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



65, 0.381, 200.360



83, 0.010, 296.813



65, 0.669, 144.285



44, 0.006, 296.813



92, 0.011, 296.813

Same Dimension

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



65, 0.381, 200.360



83, 0.747, 199.880



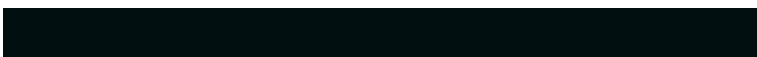
65, 0.337, 254.611



34, 0.340, 199.963



54, 32.605, 195.980



3, 4.473, 199.140

Inverse Universe

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



65, 0.385, 18.018



82, 0.754, 18.494



65, 0.326, 72.539



33, 0.343, 18.411



29, 66.998, 39.055



1, 4.473, 19.191

Previews

White Background



This preview shows how the CIELCh color 65, 0.380, 200.590 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, 0.380, 200.590 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

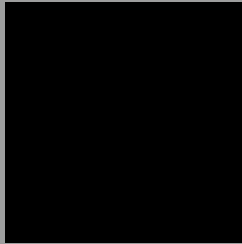
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

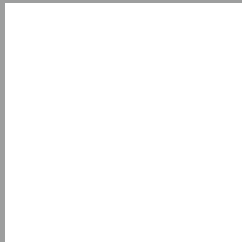
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 65, 0.380, 200.590

Background



This preview shows how black text looks on a background with the CIELCh color 65, 0.380, 200.590.

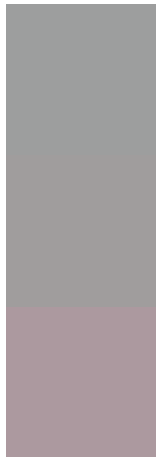


This preview shows how white text looks on a background with the CIELCh color 65, 0.380, 200.590.

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, 0.380, 200.590

Protanopia

65, 1.151, 19.110

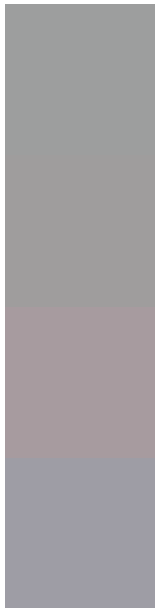
Deuteranopia

65, 8.078, 355.865



Tritanopia
65, 7.339, 299.675

Trichromacy



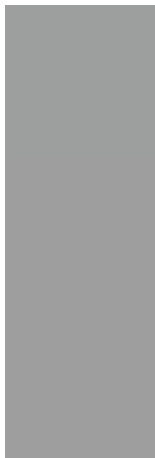
Original Color
65, 0.380, 200.590

Protanomaly
65, 0.767, 18.874

Deuteranomaly
65, 5.140, 354.269

Tritanomaly
65, 4.474, 295.464

Monochromacy



Original Color
65, 0.380, 200.590

Achromatopsia
65, 0.008, 296.813

Achromatomaly
65, 0.008, 296.813

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 65, 0.380, 200.590 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(157, 158, 158)` looks like.

```
.text, #text, p{  
    color:rgb(157, 158, 158)  
}
```

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(157, 158, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 158, 158) }
```

Border

The CSS property to change the border of an element to CIELCh 65, 0.380, 200.590 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(157, 158, 158) }
```

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

```
.border{ border-color:rgb(157, 158, 158) }
```

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

Here you see how a box with a 4 pixel `rgb(157, 158, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 158, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 158, 158);  
box-shadow:4px 4px 4px 4px rgb(157, 158,  
158) }
```

Background

The CSS property to change the background color of an element to CIELCh 65, 0.380, 200.590 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 158, 158) }
```

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

```
.background{ background-color: rgb(157,  
158, 158) }
```

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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