

Converting Colors

CIELCh(65, 4.565, 109.666)

Have a look what the booklet for
CIELCh(65, 4.565, 109.666) contains.

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Color

CIELCh(65, 4.428, 109.692)

Conversions

Conversions Part 1

Format	Color
Hex	9E9E96
RGB	158, 158, 150
RGB Percent	62%, 62%, 59%
CMY	0.3794, 0.3794, 0.4108
CMYK	0.00, 0.00, 0.05, 0.38
HSL	60°, 4%, 60%
HSV	60°, 5%, 62%
XYZ	31.9477, 34.0472, 33.8497
YIQ	157.0880, 2.5680, -2.4880

Conversions

Conversions Part 2

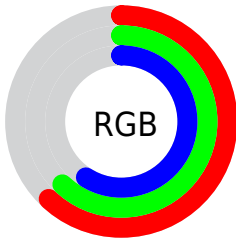
Format	Color
RYB	150, 158, 150
Decimal	10395286
CIELab	65.00, -1.49, 4.17
CIELCh	65, 4.428, 109.692
Yxy	34.0472, 0.3200, 0.3410
Android (android.graphics.Color)	4288585366 (0xFF9E9E96)
YUV	157.0880, -3.4944, 0.7998
Hunter-Lab	58.3500, -4.3803, 6.4500

Details

The CIELCh color $65, 4.428, 109.692$ is a light color, and the websafe version is hex 999999 . A complement of this color would be $62, 4.492, 290.695$, and the grayscale version is $65, 0.008, 296.813$.

A 20% lighter version of the original color is $85, 4.711, 109.760$, and $45, 4.751, 109.495$ is the 20% darker color. If you saturate the color by 10%, you get $65, 13.172, 108.769$, and if you desaturate by 10%, it is $65, 4.347, 290.662$.

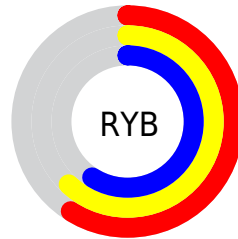
Distribution



Red (62%)

Green (62%)

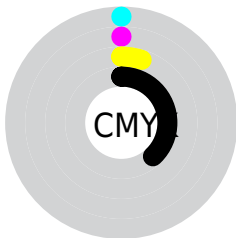
Blue (59%)



Red (59%)

Yellow (62%)

Blue (59%)

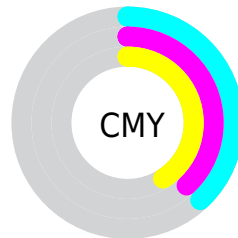


Cyan (0%)

Magenta (0%)

Yellow (5%)

Black (38%)



Cyan (38%)

Magenta (38%)

Yellow (41%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 65, 4.428, 109.692 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, 4.428, 109.692 by changing the saturation by 10% instead.

■ 65, 4.428, 109.692

■ 65, 4.428, 109.692

■ 100, 4.428,
109.692

■ 55, 4.428, 109.692

■ 85, 4.428, 109.692

■ 45, 4.428, 109.692

■ 95, 4.428, 109.692

■ 35, 4.428, 109.692

■ 25, 4.428, 109.692

■ 15, 4.428, 109.692

■ 5, 4.428, 109.692

■ 0, 4.428, 109.692

■ 65, 4.428, 109.692

■ 65, 4.428, 109.692

■ 65, 13.172,

■ 65, 4.347, 290.662

108.769

66, 13.124,
291.559

64, 21.832,
107.821

66, 21.880,
292.431

64, 30.335,
106.884

67, 30.598,
293.267

64, 38.565,
105.979

68, 39.266,
294.064

64, 46.346,
105.130

68, 47.874,
294.820

63, 53.418,
104.370

69, 53.164,
295.266

63, 59.428,
103.737

69, 53.164,
295.268

63, 63.977,
103.266

69, 53.164,
295.270

63, 66.777,
102.982

Harmonies

Complementary

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



65, 4.428, 109.692



62, 4.492, 290.695

Rectangle

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



65, 4.428, 109.692



65, 4.428, 159.692



65, 4.428, 289.692



65, 4.428, 339.692

Sweetspot

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



65, 4.430, 109.707



83, 2.170, 109.972



63, 3.114, 19.558



44, 1.243, 109.981



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, 4.430, 109.707



83, 6.527, 109.610



65, 4.714, 128.874



33, 3.463, 109.577



57, 62.932, 102.874



4, 6.504, 110.194

Inverse Universe

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



62, 4.492, 290.695



79, 6.630, 290.800



63, 4.758, 309.264



31, 3.520, 290.836



15, 86.895, 306.289



0, 6.505, 290.191

Previews

White Background



This preview shows how the CIELCh color 65, 4.428, 109.692 looks on a white background.

Color Contrast Check

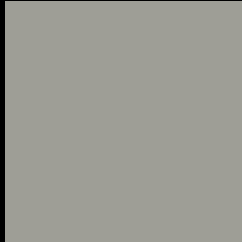
Large Text (above 18pt) WCAG AA × Fail

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, 4.428, 109.692 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

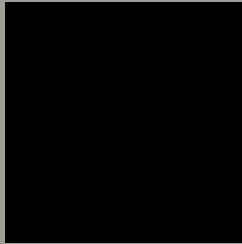
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

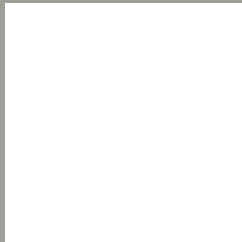
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 65, 4.428, 109.692

Background



This preview shows how black text looks on a background with the CIELCh color 65, 4.428, 109.692.



This preview shows how white text looks on a background with the CIELCh color 65, 4.428, 109.692.

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, 4.428, 109.692

Protanopia

65, 4.327, 82.898

Deuteranopia

65, 9.104, 23.681



Tritanopia
65, 6.960, 306.436

Trichromacy



Original Color
65, 4.428, 109.692

Protanomaly
65, 4.167, 87.737

Deuteranomaly
65, 6.119, 35.579

Tritanomaly
65, 3.022, 312.565

Monochromacy



Original Color
65, 4.428, 109.692

Achromatopsia
65, 0.008, 296.813

Achromatomaly
65, 1.103, 110.011

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 65, 4.428, 109.692 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(158, 158, 150)` looks like.

```
.text, #text, p{  
    color:rgb(158, 158, 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(158, 158, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 158, 150) }
```

Border

The CSS property to change the border of an element to CIELCh 65, 4.428, 109.692 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(158, 158, 150) }
```

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

```
.border{ border-color:rgb(158, 158, 150) }
```

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

Here you see how a box with a 4 pixel `rgb(158, 158, 150)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 158, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 158, 150);  
box-shadow:4px 4px 4px 4px rgb(158, 158,  
150) }
```

Background

The CSS property to change the background color of an element to CIELCh 65, 4.428, 109.692 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 158, 150) }
```

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

```
.background{ background-color: rgb(158,  
158, 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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