

Converting Colors

CIELCh(65, 4.998, 105.146)

Have a look what the booklet for
CIELCh(65, 4.998, 105.146) contains.

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Color

CIELCh(65, 4.993, 105.149)

Conversions

Conversions Part 1

Format	Color
Hex	9F9E95
RGB	159, 158, 149
RGB Percent	62%, 62%, 58%
CMY	0.3760, 0.3799, 0.4153
CMYK	0.00, 0.01, 0.06, 0.38
HSL	54°, 5%, 60%
HSV	54°, 6%, 62%
XYZ	31.9994, 34.0472, 33.3645
YIQ	157.2730, 3.4850, -2.5870

Conversions

Conversions Part 2

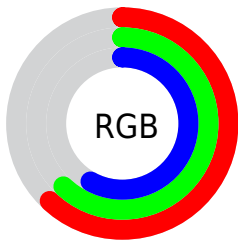
Format	Color
R_{YB}	150, 159, 149
Decimal	10460821
CIE Lab	65.00, -1.30, 4.82
CIE LCh	65, 4.993, 105.149
Yxy	34.0472, 0.3219, 0.3425
Android (android.graphics.Color)	4288650901 (0xFF9F9E95)
YUV	157.2730, -4.0786, 1.5146
Hunter-Lab	58.3500, -4.2223, 6.9430

Details

The CIELCh color $65, 4.993, 105.149$ is a light color, and the websafe version is hex 999999 . A complement of this color would be $62, 5.060, 286.500$, and the grayscale version is $65, 0.008, 296.813$.

A 20% lighter version of the original color is $85, 5.244, 105.693$, and $45, 5.357, 104.885$ is the 20% darker color. If you saturate the color by 10%, you get $64, 12.956, 104.141$, and if you desaturate by 10%, it is $66, 2.959, 286.221$.

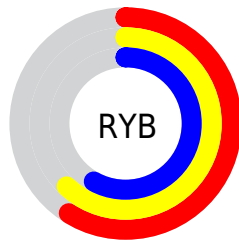
Distribution



Red (62%)

Green (62%)

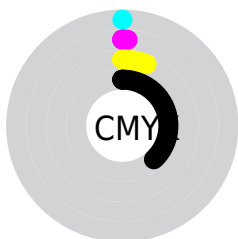
Blue (58%)



Red (59%)

Yellow (62%)

Blue (58%)

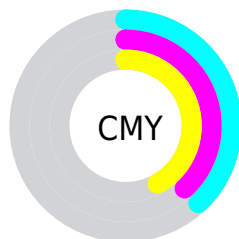


Cyan (0%)

Magenta (1%)

Yellow (6%)

Black (38%)



Cyan (38%)

Magenta (38%)

Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 65, 4.993, 105.149 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, 4.993, 105.149 by changing the saturation by 10% instead.

■ 65, 4.993, 105.149

■ 65, 4.993, 105.149

■ 100, 4.993,
105.149

■ 55, 4.993, 105.149

■ 85, 4.993, 105.149

■ 45, 4.993, 105.149

■ 95, 4.993, 105.149

■ 35, 4.993, 105.149

■ 25, 4.993, 105.149

■ 15, 4.993, 105.149

■ 5, 4.993, 105.149

■ 0, 4.993, 105.149

■ 65, 4.993, 105.149

■ 65, 4.993, 105.149

■ 64, 12.956,

■ 66, 2.959, 286.221

104.141

67, 10.883,
287.174

63, 20.886,
103.091

68, 18.762,
288.108

63, 28.725,
102.033

69, 26.589,
289.004

62, 36.369,
100.982

70, 34.356,
289.857

61, 43.657, 99.953

71, 42.061,
290.666

61, 50.332, 98.965

60, 56.027, 98.036

72, 46.760,
290.915

60, 60.282, 97.177

72, 45.858,
290.152

59, 62.777, 96.385

72, 44.964,
289.361

Harmonies

Complementary

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



65, 4.993, 105.149



62, 5.060, 286.500

Rectangle

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



65, 4.993, 105.149



65, 4.993, 155.149



65, 4.993, 285.149



65, 4.993, 335.149

Sweetspot

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



65, 4.994, 105.164



83, 1.958, 105.559



63, 3.941, 11.535



44, 1.122, 105.567



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, 4.994, 105.164



82, 7.865, 104.977



65, 5.765, 125.214



33, 4.472, 104.866



53, 58.741, 96.168



4, 5.739, 104.796

Inverse Universe

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



62, 5.060, 286.500



78, 7.987, 286.705



62, 5.835, 305.794



31, 4.549, 286.829



17, 81.834, 304.610



1, 5.900, 286.067

Previews

White Background



This preview shows how the CIELCh color 65, 4.993, 105.149 looks on a white background.

Color Contrast Check

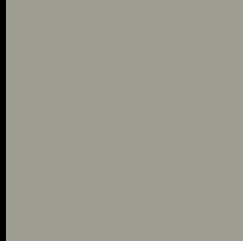
Large Text (above 18pt) WCAG AA × Fail

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, 4.993, 105.149 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

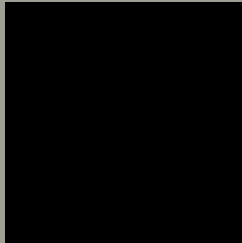
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

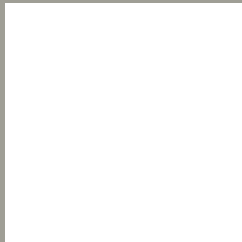
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 65, 4.993, 105.149

Background



This preview shows how black text looks on a background with the CIELCh color 65, 4.993, 105.149.



This preview shows how white text looks on a background with the CIELCh color 65, 4.993, 105.149.

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, 4.993, 105.149

Protanopia

65, 5.002, 81.622

Deuteranopia

65, 9.579, 26.849



Tritanopia
65, 7.731, 310.713

Trichromacy



Original Color
65, 4.993, 105.149

Protanomaly
65, 4.830, 85.765

Deuteranomaly
65, 6.682, 39.200

Tritanomaly
65, 3.392, 324.544

Monochromacy



Original Color
65, 4.993, 105.149

Achromatopsia
65, 0.008, 296.813

Achromatomaly
65, 1.698, 96.852

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 65, 4.993, 105.149 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(159, 158, 149)` looks like.

```
.text, #text, p{  
    color:rgb(159, 158, 149)  
}
```

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(159, 158, 149) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 158, 149) }
```

Border

The CSS property to change the border of an element to CIELCh 65, 4.993, 105.149 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(159, 158, 149) }
```

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

```
.border{ border-color:rgb(159, 158, 149) }
```

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

Here you see how a box with a 4 pixel `rgb(159, 158, 149)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 158, 149); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 158, 149);  
box-shadow:4px 4px 4px 4px rgb(159, 158,  
149) }
```

Background

The CSS property to change the background color of an element to CIELCh 65, 4.993, 105.149 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 158, 149) }
```

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

```
.background{ background-color: rgb(159,  
158, 149) }
```

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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