

Converting Colors

CIELCh(65, 1.148, 84.963)

Have a look what the booklet for
CIELCh(65, 1.148, 84.963) contains.

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Color

CIELCh(65, 1.162, 90.725)

Conversions

Conversions Part 1

Format	Color
Hex	9F9E9C
RGB	159, 158, 156
RGB Percent	62%, 62%, 61%
CMY	0.3779, 0.3818, 0.3897
CMYK	0.00, 0.01, 0.02, 0.38
HSL	40°, 2%, 62%
HSV	40°, 2%, 62%
XYZ	32.3567, 34.0472, 36.1540
YIQ	158.0710, 1.2380, -0.4100

Conversions

Conversions Part 2

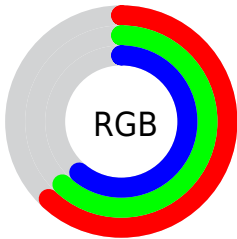
Format	Color
RYB	158, 159, 156
Decimal	10460828
CIELab	65.00, -0.01, 1.16
CIELCh	65, 1.162, 90.725
Yxy	34.0472, 0.3155, 0.3320
Android (android.graphics.Color)	4288650908 (0xFF9F9E9C)
YUV	158.0710, -1.0210, 0.8147
Hunter-Lab	58.3500, -3.1290, 4.1085

Details

The CIELCh color **65, 1.162, 90.725** is a light color, and the websafe version is hex **999999**. A complement of this color would be **65, 1.177, 271.600**, and the grayscale version is **65, 0.008, 296.813**.

A 20% lighter version of the original color is **85, 1.602, 96.892**, and **45, 1.250, 90.682** is the 20% darker color. If you saturate the color by 10%, you get **63, 7.433, 89.727**, and if you desaturate by 10%, it is **67, 4.977, 272.193**.

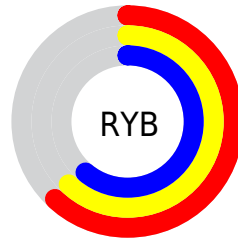
Distribution



Red (62%)

Green (62%)

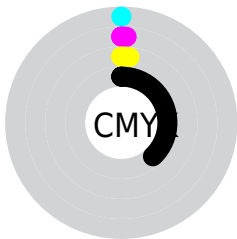
Blue (61%)



Red (62%)

Yellow (62%)

Blue (61%)

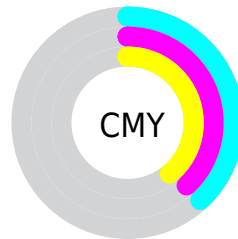


Cyan (0%)

Magenta (1%)

Yellow (2%)

Black (38%)



Cyan (38%)

Magenta (38%)

Yellow (39%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 65, 1.162, 90.725 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, 1.162, 90.725 by changing the saturation by 10% instead.

 65, 1.162, 90.725  65, 1.162, 90.725

100, 1.162, 90.725  55, 1.162, 90.725

 85, 1.162, 90.725  45, 1.162, 90.725

 95, 1.162, 90.725  35, 1.162, 90.725

 25, 1.162, 90.725

 15, 1.162, 90.725

 5, 1.162, 90.725

 0, 1.162, 90.725

 65, 1.162, 90.725  65, 1.162, 90.725

 63, 7.433, 89.727  67, 4.977, 272.193

■ 61, 13.831, 88.474

■ 69, 10.994,
273.298

■ 60, 20.348, 87.175

■ 71, 16.894,
274.368

■ 58, 26.950, 85.836

■ 56, 33.569, 84.455

■ 73, 22.687,
275.391

■ 55, 40.070, 83.021

■ 75, 28.381,
276.364

■ 53, 46.205, 81.500

■ 52, 51.556, 79.821

■ 77, 33.984,
277.286

■ 50, 55.524, 77.849

■ 78, 33.672,
274.301

■ 79, 31.440,
269.403

■ 81, 29.465,
263.859

Harmonies

Complementary

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



65, 1.162, 90.725



65, 1.177, 271.600

Rectangle

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



65, 1.162, 90.725



65, 1.162, 140.725



65, 1.162, 270.725



65, 1.162, 320.725

Sweetspot

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



65, 1.163, 90.802



83, 0.758, 90.755



64, 1.286, 353.555



44, 0.434, 90.742



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, 1.163, 90.802



83, 1.527, 90.797



65, 1.667, 116.574



33, 0.694, 90.803



44, 53.625, 76.370



3, 4.413, 88.353

Inverse Universe

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



65, 1.177, 271.600



82, 1.544, 271.605



64, 1.690, 296.838



33, 0.702, 271.598



24, 62.246, 295.882



1, 4.655, 272.547

Previews

White Background



This preview shows how the CIELCh color 65, 1.162, 90.725 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, 1.162, 90.725 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

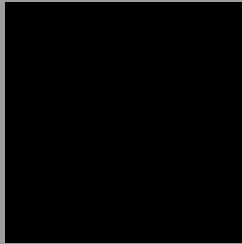
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

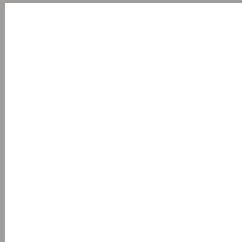
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 65, 1.162, 90.725

Background



This preview shows how black text looks on a background with the CIELCh color 65, 1.162, 90.725.



This preview shows how white text looks on a background with the CIELCh color 65, 1.162, 90.725.

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, 1.162, 90.725

Protanopia

65, 1.888, 55.189

Deuteranopia

65, 8.093, 4.279



Tritanopia
65, 6.960, 306.436

Trichromacy



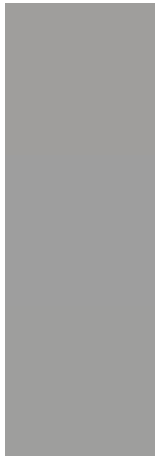
Original Color
65, 1.162, 90.725

Protanomaly
65, 1.589, 63.349

Deuteranomaly
65, 5.159, 7.422

Tritanomaly
65, 4.071, 306.713

Monochromacy



Original Color
65, 1.162, 90.725

Achromatopsia
65, 0.008, 296.813

Achromatomaly
65, 0.547, 110.020

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 65, 1.162, 90.725 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, 156)` looks like.

```
.text, #text, p{  
    color:rgb(159, 158, 156)  
}
```

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, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 158, 156) }
```

Border

The CSS property to change the border of an element to CIELCh 65, 1.162, 90.725 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, 156) }
```

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

```
.border{ border-color:rgb(159, 158, 156) }
```

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, 156)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 158, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 158, 156);  
box-shadow:4px 4px 4px 4px rgb(159, 158,  
156) }
```

Background

The CSS property to change the background color of an element to CIELCh 65, 1.162, 90.725 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, 156) }
```

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

```
.background{ background-color: rgb(159,  
158, 156) }
```

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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