

Converting Colors

CIELCh(64, 0.883, 96.947)

Have a look what the booklet for
CIELCh(64, 0.883, 96.947) contains.

CIELCh(64, 1.166, 90.724)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(64, 1.166, 90.724)

Conversions

Conversions Part 1

Format	Color
Hex	9C9B99
RGB	156, 155, 153
RGB Percent	61%, 61%, 60%
CMY	0.3883, 0.3922, 0.4001
CMYK	0.00, 0.01, 0.02, 0.39
HSL	40°, 1%, 61%
HSV	40°, 2%, 61%
XYZ	31.1730, 32.8017, 34.8174
YIQ	155.0710, 1.2380, -0.4100

Conversions

Conversions Part 2

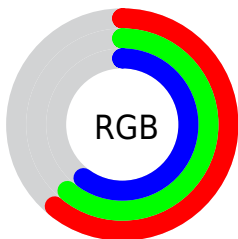
Format	Color
RYB	155, 156, 153
Decimal	10263449
CIELab	64.00, -0.01, 1.17
CIELCh	64, 1.166, 90.724
Yxy	32.8017, 0.3155, 0.3320
Android (android.graphics.Color)	4288453529 (0xFF9C9B99)
YUV	155.0710, -1.0210, 0.8147
Hunter-Lab	57.2727, -3.0715, 4.0472

Details

The CIELCh color **64, 1.166, 90.724** is a light color, and the websafe version is hex **999999**. A complement of this color would be **64, 1.181, 271.599**, and the grayscale version is **64, 0.008, 296.813**.

A 20% lighter version of the original color is **84, 1.101, 90.724**, and **44, 1.256, 90.677** is the 20% darker color. If you saturate the color by 10%, you get **62, 7.351, 89.723**, and if you desaturate by 10%, it is **66, 4.890, 272.187**.

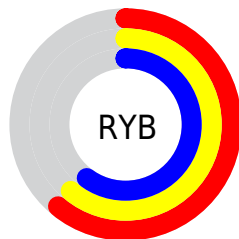
Distribution



Red (61%)

Green (61%)

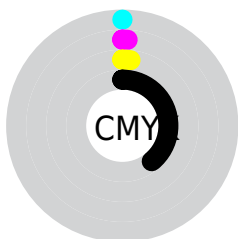
Blue (60%)



Red (61%)

Yellow (61%)

Blue (60%)

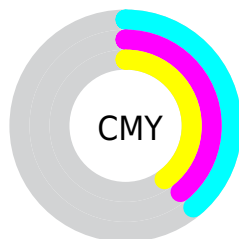


Cyan (0%)

Magenta (1%)

Yellow (2%)

Black (39%)



Cyan (39%)

Magenta (39%)

Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 64, 1.166, 90.724 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 64, 1.166, 90.724 by changing the saturation by 10% instead.

■ 64, 1.166, 90.724 ■ 64, 1.166, 90.724

100, 1.166, 90.724 ■ 54, 1.166, 90.724

■ 84, 1.166, 90.724 ■ 44, 1.166, 90.724

■ 94, 1.166, 90.724 ■ 34, 1.166, 90.724

■ 24, 1.166, 90.724

■ 14, 1.166, 90.724

■ 4, 1.166, 90.724

■ 0, 1.166, 90.724

■ 64, 1.166, 90.724 ■ 64, 1.166, 90.724

■ 62, 7.351, 89.723 ■ 66, 4.890, 272.187

60, 13.663, 88.473

68, 10.825,
273.290

59, 20.090, 87.175

70, 16.646,
274.360

57, 26.602, 85.838

55, 33.131, 84.459

72, 22.360,
275.381

54, 39.545, 83.028

73, 27.977,
276.353

52, 45.599, 81.510

51, 50.885, 79.834

75, 33.504,
277.275

49, 54.813, 77.868

77, 35.342,
275.866

78, 33.059,
271.371

80, 31.002,
266.296

Harmonies

Complementary

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



64, 1.166, 90.724



64, 1.181, 271.599

Rectangle

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



64, 1.166, 90.724



64, 1.166, 140.724



64, 1.166, 270.724



64, 1.166, 320.724

Sweetspot

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



64, 1.167, 90.800



82, 0.750, 90.754



63, 1.290, 353.562



43, 0.425, 90.740



91, 0.011, 296.813



43, 0.006, 296.813

Same Dimension

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



64, 1.167, 90.800



82, 1.511, 90.795



64, 1.673, 116.572



33, 0.694, 90.801



44, 53.625, 76.369



3, 4.413, 88.352

Inverse Universe

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



64, 1.181, 271.599



81, 1.528, 271.604



63, 1.695, 296.840



33, 0.702, 271.597



24, 62.245, 295.881



1, 4.655, 272.545

Previews

White Background



This preview shows how the CIELCh color 64, 1.166, 90.724 looks on a white background.

Color Contrast Check

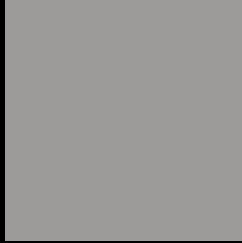
Large Text (above 18pt) WCAG AA × Fail

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 64, 1.166, 90.724 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

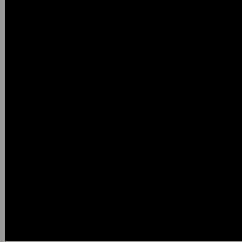
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

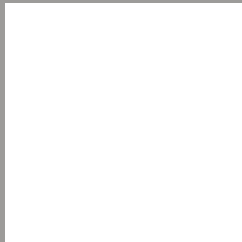
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 64, 1.166, 90.724

Background



This preview shows how black text looks on a background with the CIELCh color 64, 1.166, 90.724.

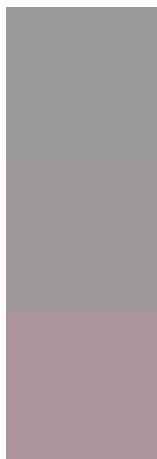


This preview shows how white text looks on a background with the CIELCh color 64, 1.166, 90.724.

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

64, 1.166, 90.724

Protanopia

64, 1.635, 39.135

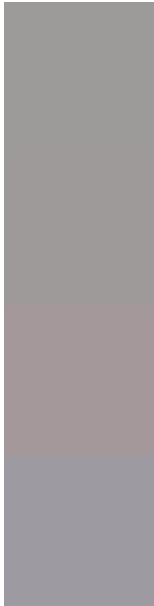
Deuteranopia

64, 8.123, 4.299



Tritanopia
64, 6.984, 306.443

Trichromacy



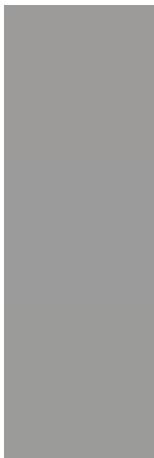
Original Color
64, 1.166, 90.724

Protanomaly
64, 1.276, 44.963

Deuteranomaly
64, 5.178, 7.435

Tritanomaly
64, 4.086, 306.717

Monochromacy



Original Color
64, 1.166, 90.724

Achromatopsia
64, 0.008, 296.813

Achromatomaly
64, 0.549, 110.021

CSS Examples

Text

The CSS property to change the color of the text to CIElCh 64, 1.166, 90.724 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(156, 155, 153)` looks like.

```
.text, #text, p{  
    color:rgb(156, 155, 153)  
}
```

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(156, 155, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 155, 153) }
```

Border

The CSS property to change the border of an element to CIELCh 64, 1.166, 90.724 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(156, 155, 153) }
```

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

```
.border{ border-color:rgb(156, 155, 153) }
```

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

Here you see how a box with a 4 pixel `rgb(156, 155, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 155, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 155, 153);  
box-shadow:4px 4px 4px 4px rgb(156, 155,  
153) }
```

Background

The CSS property to change the background color of an element to CIELCh 64, 1.166, 90.724 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 155, 153) }
```

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

```
.background{ background-color: rgb(156,  
155, 153) }
```

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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