

Converting Colors

CIELCh(65, 0.411, 18.604)

Have a look what the booklet for
CIELCh(65, 0.411, 18.604) contains.

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Color

CIELCh(65, 0.767, 18.874)

Conversions

Conversions Part 1

Format	Color
Hex	9F9D9D
RGB	159, 157, 157
RGB Percent	62%, 62%, 62%
CMY	0.3754, 0.3832, 0.3833
CMYK	0.00, 0.01, 0.01, 0.38
HSL	0°, 1%, 62%
HSV	0°, 1%, 62%
XYZ	32.5630, 34.0472, 36.8743
YIQ	157.5980, 1.1920, 0.4240

Conversions

Conversions Part 2

Format	Color
RYB	159, 157, 157
Decimal	10460573
CIELab	65.00, 0.73, 0.25
CIElCh	65, 0.767, 18.874
Yxy	34.0472, 0.3147, 0.3290
Android (android.graphics.Color)	4288650653 (0xFF9F9D9D)
YUV	157.5980, -0.2948, 1.2296
Hunter-Lab	58.3500, -2.4979, 3.3766

Details

The CIELCh color $65, 0.767, 18.874$ is a light color, and the websafe version is hex 999999 . A complement of this color would be $65, 0.758, 200.068$, and the grayscale version is $65, 0.008, 296.813$.

A 20% lighter version of the original color is $85, 0.725, 18.664$, and $45, 0.824, 19.084$ is the 20% darker color. If you saturate the color by 10%, you get $60, 7.124, 20.167$, and if you desaturate by 10%, it is $70, 5.122, 199.188$.

Distribution



Red (62%)

Green (62%)

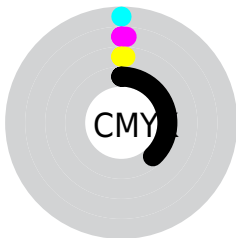
Blue (62%)



Red (62%)

Yellow (62%)

Blue (62%)

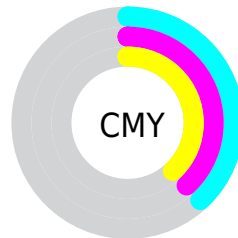


Cyan (0%)

Magenta (1%)

Yellow (1%)

Black (38%)



Cyan (38%)

Magenta (38%)

Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 65, 0.767, 18.874 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, 0.767, 18.874 by changing the saturation by 10% instead.

■ 65, 0.767, 18.874

■ 65, 0.767, 18.874

100, 0.767, 18.874

■ 55, 0.767, 18.874

■ 85, 0.767, 18.874

■ 45, 0.767, 18.874

■ 95, 0.767, 18.874

■ 35, 0.767, 18.874

■ 25, 0.767, 18.874

■ 15, 0.767, 18.874

■ 5, 0.767, 18.874

■ 0, 0.767, 18.874

■ 65, 0.767, 18.874

■ 65, 0.767, 18.874

■ 60, 7.124, 20.167

■ 70, 5.122, 199.188

56, 13.982, 21.016

75, 10.579,
198.744

51, 21.341, 22.086

79, 15.650,
198.411

47, 29.161, 23.470

43, 37.339, 25.269

84, 20.382,
198.146

40, 45.697, 27.584

89, 24.814,
197.930

37, 53.979, 30.480

35, 61.822, 33.868

94, 28.984,
197.754

33, 68.559, 37.269

94, 29.577,
197.596

Harmonies

Complementary

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



65, 0.767, 18.874



65, 0.758, 200.068

Rectangle

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



65, 0.767, 18.874



65, 0.767, 68.874



65, 0.767, 198.874



65, 0.767, 248.874

Sweetspot

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



65, 0.766, 18.988



83, 0.010, 296.813



65, 1.362, 324.350



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, 0.766, 18.988



82, 1.510, 19.267



65, 0.664, 74.804



33, 0.686, 19.217



29, 67.073, 39.184



1, 4.467, 19.515

Inverse Universe

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



65, 0.758, 200.068



83, 1.490, 199.791



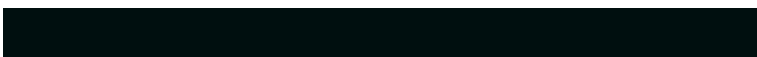
65, 0.674, 256.027



33, 0.678, 199.840



53, 32.480, 196.595



3, 4.465, 199.567

Previews

White Background



This preview shows how the CIE LCh color 65, 0.767, 18.874 looks on a white background.

Color Contrast Check

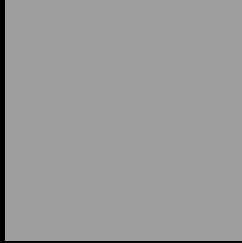
Large Text (above 18pt) WCAG AA × Fail

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, 0.767, 18.874 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

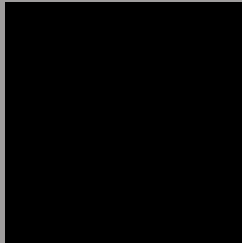
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 65, 0.767, 18.874

Background



This preview shows how black text looks on a background with the CIELCh color 65, 0.767, 18.874.



This preview shows how white text looks on a background with the CIELCh color 65, 0.767, 18.874.

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, 0.767, 18.874

Protanopia

65, 1.151, 19.110

Deuteranopia

65, 8.247, 0.566



Tritanopia
65, 6.960, 306.436

Trichromacy



Original Color

65, 0.767, 18.874

Protanomaly

65, 1.151, 19.110

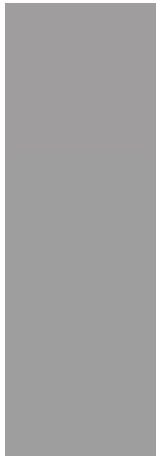
Deuteranomaly

65, 5.299, 1.564

Tritanomaly

65, 4.723, 309.256

Monochromacy



Original Color

65, 0.767, 18.874

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, 0.767, 18.874 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, 157, 157)` looks like.

```
.text, #text, p{  
    color:rgb(159, 157, 157)  
}
```

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, 157, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 157, 157) }
```

Border

The CSS property to change the border of an element to CIELCh 65, 0.767, 18.874 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, 157, 157) }
```

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

```
.border{ border-color:rgb(159, 157, 157) }
```

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

Here you see how a box with a 4 pixel `rgb(159, 157, 157)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 157, 157); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 157, 157);  
box-shadow:4px 4px 4px 4px rgb(159, 157,  
157) }
```

Background

The CSS property to change the background color of an element to CIELCh 65, 0.767, 18.874 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 157, 157) }
```

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

```
.background{ background-color: rgb(159,  
157, 157) }
```

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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