

Converting Colors

CIELCh(64, 1.764, 8.182)

Have a look what the booklet for
CIELCh(64, 1.764, 8.182) contains.

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Color

CIELCh(64, 2.011, 3.314)

Conversions

Conversions Part 1

Format	Color
Hex	9F9A9B
RGB	159, 154, 155
RGB Percent	62%, 60%, 61%
CMY	0.3769, 0.3965, 0.3925
CMYK	0.00, 0.03, 0.03, 0.38
HSL	348°, 3%, 61%
HSV	348°, 3%, 62%
XYZ	31.7247, 32.8017, 35.6252
YIQ	155.6090, 2.6590, 1.3710

Conversions

Conversions Part 2

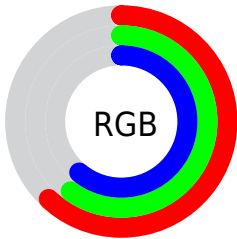
Format	Color
R_{YB}	159, 154, 155
Decimal	10459803
CIE _{Lab}	64.00, 2.01, 0.12
CIE _{LCh}	64, 2.011, 3.314
Yxy	32.8017, 0.3168, 0.3275
Android (android.graphics.Color)	4288649883 (0xFF9F9A9B)
YUV	155.6090, -0.3002, 2.9739
Hunter-Lab	57.2727, -1.3519, 3.2109

Details

The CIELCh color **64, 2.011, 3.314** is a light color, and the websafe version is hex **999999**. A complement of this color would be **65, 1.980, 183.230**, and the grayscale version is **64, 0.008, 296.813**.

A 20% lighter version of the original color is **84, 2.255, 5.829**, and **44, 2.164, 3.495** is the 20% darker color. If you saturate the color by 10%, you get **59, 8.616, 4.474**, and if you desaturate by 10%, it is **69, 4.254, 182.832**.

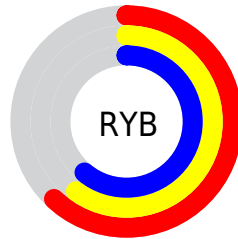
Distribution



Red (62%)

Green (60%)

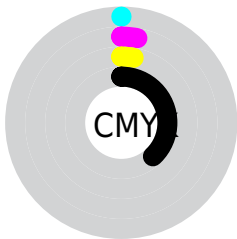
Blue (61%)



Red (62%)

Yellow (60%)

Blue (61%)

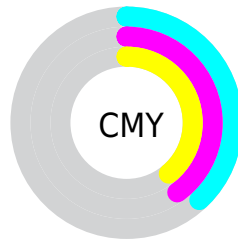


Cyan (0%)

Magenta (3%)

Yellow (3%)

Black (38%)



Cyan (38%)

Magenta (40%)

Yellow (39%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 64, 2.011, 3.314 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, 2.011, 3.314 by changing the saturation by 10% instead.

■ 64, 2.011, 3.314

■ 64, 2.011, 3.314

100, 2.011, 3.314

■ 54, 2.011, 3.314

■ 84, 2.011, 3.314

■ 44, 2.011, 3.314

■ 94, 2.011, 3.314

■ 34, 2.011, 3.314

■ 24, 2.011, 3.314

■ 14, 2.011, 3.314

■ 4, 2.011, 3.314

■ 0, 2.011, 3.314

■ 64, 2.011, 3.314

■ 64, 2.011, 3.314

■ 59, 8.616, 4.474

■ 69, 4.254, 182.832

■ 55, 15.547, 5.629

■ 73, 10.180,
182.047

■ 51, 22.747, 6.995

■ 78, 15.787,
181.389

■ 47, 30.104, 8.657

■ 43, 37.440, 10.717

■ 83, 21.100,
180.807

■ 40, 44.507, 13.304

■ 87, 26.146,
180.286

■ 37, 51.027, 16.566

■ 35, 56.778, 20.619

■ 92, 30.951,
179.813

■ 33, 61.692, 25.449

■ 94, 31.050,
186.821

■ 94, 29.673,
197.590

Harmonies

Complementary

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



64, 2.011, 3.314



65, 1.980, 183.230

Rectangle

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



64, 2.011, 3.314



64, 2.011, 53.314



64, 2.011, 183.314



64, 2.011, 233.314

Sweetspot

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



64, 2.009, 3.347



82, 0.790, 2.713



64, 3.196, 318.892



44, 0.453, 2.667



92, 0.011, 296.813



44, 0.006, 296.813

Same Dimension

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



64, 2.009, 3.347



81, 3.172, 3.480



64, 1.575, 51.085



32, 1.806, 3.549



29, 59.734, 28.241



1, 4.655, 4.069

Inverse Universe

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



64, 2.009, 3.347



81, 3.172, 3.480



65, 1.556, 232.042



32, 1.806, 3.549



29, 59.734, 28.241



1, 4.655, 4.069

Previews

White Background



This preview shows how the CIE LCh color 64, 2.011, 3.314 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, 2.011, 3.314 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

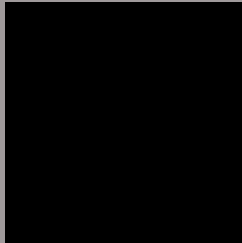
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

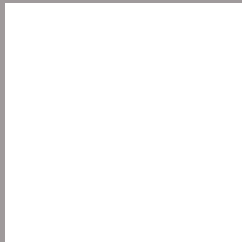
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 64, 2.011, 3.314

Background



This preview shows how black text looks on a background with the CIELCh color 64, 2.011, 3.314.



This preview shows how white text looks on a background with the CIELCh color 64, 2.011, 3.314.

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, 2.011, 3.314

Protanopia

64, 1.644, 359.492

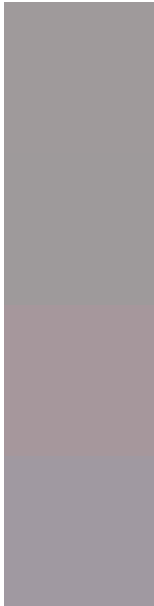
Deuteranopia

64, 8.467, 357.028



Tritanopia
64, 7.385, 314.946

Trichromacy



Original Color

64, 2.011, 3.314

Protanomaly

64, 1.644, 359.492

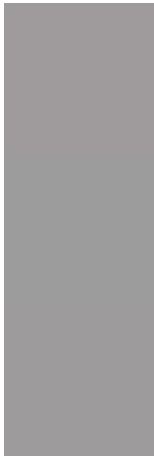
Deuteranomaly

64, 6.454, 354.463

Tritanomaly

64, 5.225, 321.197

Monochromacy



Original Color

64, 2.011, 3.314

Achromatopsia

64, 0.008, 296.813

Achromatomaly

64, 0.958, 343.398

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 64, 2.011, 3.314 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, 154, 155)` looks like.

```
.text, #text, p{  
    color:rgb(159, 154, 155)  
}
```

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, 154, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 154, 155) }
```

Border

The CSS property to change the border of an element to CIELCh 64, 2.011, 3.314 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, 154, 155) }
```

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

```
.border{ border-color:rgb(159, 154, 155) }
```

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

Here you see how a box with a 4 pixel `rgb(159, 154, 155)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 154, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 154, 155);  
box-shadow:4px 4px 4px 4px rgb(159, 154,  
155) }
```

Background

The CSS property to change the background color of an element to CIELCh 64, 2.011, 3.314 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 154, 155) }
```

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

```
.background{ background-color: rgb(159,  
154, 155) }
```

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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