

Converting Colors

CIELCh(64, 2.832, 19.386)

Have a look what the booklet for
CIELCh(64, 2.832, 19.386) contains.

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Color

CIELCh(64, 3.101, 19.550)

Conversions

Conversions Part 1

Format	Color
Hex	A19999
RGB	161, 153, 153
RGB Percent	63%, 60%, 60%
CMY	0.3674, 0.3988, 0.3988
CMYK	0.00, 0.05, 0.05, 0.37
HSL	0°, 4%, 62%
HSV	0°, 5%, 63%
XYZ	31.9764, 32.8017, 34.9154
YIQ	155.3920, 4.7680, 1.6960

Conversions

Conversions Part 2

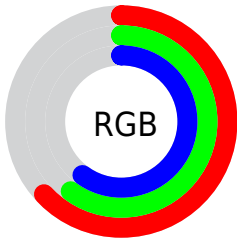
Format	Color
RYB	161, 153, 153
Decimal	10590617
CIELab	64.00, 2.92, 1.04
CIElCh	64, 3.101, 19.550
Yxy	32.8017, 0.3207, 0.3290
Android (android.graphics.Color)	4288780697 (0xFFA19999)
YUV	155.3920, -1.1793, 4.9182
Hunter-Lab	57.2727, -0.5677, 3.9457

Details

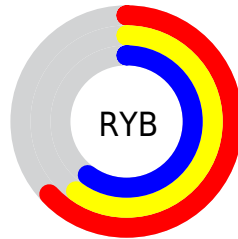
The CIELCh color **64, 3.101, 19.550** is a light color, and the websafe version is hex **999999**. A complement of this color would be **66, 3.007, 199.324**, and the grayscale version is **64, 0.008, 296.813**.

A 20% lighter version of the original color is **84, 3.294, 19.480**, and **44, 2.925, 19.657** is the 20% darker color. If you saturate the color by 10%, you get **59, 9.716, 20.384**, and if you desaturate by 10%, it is **69, 3.027, 199.336**.

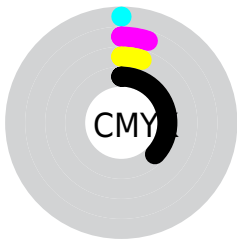
Distribution



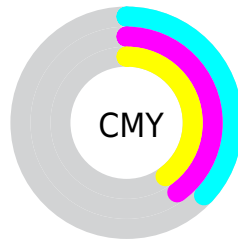
- Red (63%)
- Green (60%)
- Blue (60%)



- Red (63%)
- Yellow (60%)
- Blue (60%)



- Cyan (0%)
- Magenta (5%)
- Yellow (5%)
- Black (37%)




- Cyan (37%)
- Magenta (40%)
- Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 64, 3.101, 19.550 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, 3.101, 19.550 by changing the saturation by 10% instead.

 64, 3.101, 19.550  64, 3.101, 19.550

 100, 3.101, 19.550  54, 3.101, 19.550

 84, 3.101, 19.550  44, 3.101, 19.550


 94, 3.101, 19.550  34, 3.101, 19.550

 24, 3.101, 19.550

 14, 3.101, 19.550

 4, 3.101, 19.550

 0, 3.101, 19.550

 64, 3.101, 19.550  64, 3.101, 19.550

 59, 9.716, 20.384  69, 3.027, 199.336

55, 16.843, 21.308

74, 8.703, 198.800

50, 24.466, 22.490

78, 13.971,
198.431

46, 32.524, 24.024

83, 18.879,
198.141

42, 40.884, 26.015

39, 49.336, 28.558

88, 23.468,
197.907

37, 57.585, 31.679

93, 27.780,
197.715

35, 65.191, 35.177

34, 71.268, 38.357

94, 29.053,
197.627

Harmonies

Complementary

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



64, 3.101, 19.550



66, 3.007, 199.324

Rectangle

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



64, 3.101, 19.550



64, 3.101, 69.550



64, 3.101, 199.550



64, 3.101, 249.550

Sweetspot

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



64, 3.100, 19.579



83, 0.761, 18.749



64, 5.431, 324.667



44, 0.432, 18.698



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, 3.100, 19.579



80, 4.652, 19.680



65, 2.689, 74.715



33, 2.513, 19.712



30, 68.058, 39.270



1, 5.462, 19.432

Inverse Universe

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



66, 3.007, 199.324



83, 4.480, 199.234



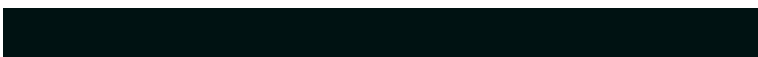
65, 2.669, 256.143



34, 2.414, 199.206



54, 32.949, 196.441



4, 5.461, 199.463

Previews

White Background



This preview shows how the CIELCh color 64, 3.101, 19.550 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, 3.101, 19.550 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

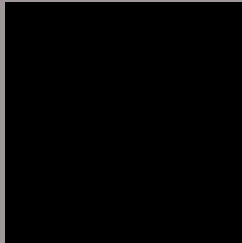
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 64, 3.101, 19.550

Background



This preview shows how black text looks on a background with the CIELCh color 64, 3.101, 19.550.

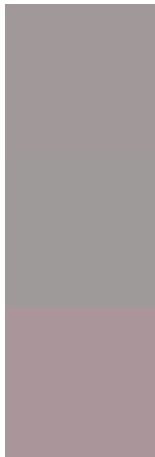


This preview shows how white text looks on a background with the CIELCh color 64, 3.101, 19.550.

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, 3.101, 19.550

Protanopia

64, 1.542, 19.254

Deuteranopia

64, 8.123, 4.299



Tritanopia
64, 7.923, 322.509

Trichromacy



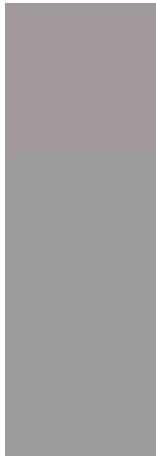
Original Color
64, 3.101, 19.550

Protanomaly
64, 1.929, 19.349

Deuteranomaly
64, 6.455, 5.015

Tritanomaly
64, 5.904, 330.858

Monochromacy



Original Color
64, 3.101, 19.550

Achromatopsia
64, 0.008, 296.813

Achromatomaly
64, 1.154, 19.116

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 64, 3.101, 19.550 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(161, 153, 153)` looks like.

```
.text, #text, p{  
    color:rgb(161, 153, 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(161, 153, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(161, 153, 153) }
```

Border

The CSS property to change the border of an element to CIELCh 64, 3.101, 19.550 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(161, 153, 153) }
```

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

```
.border{ border-color:rgb(161, 153, 153) }
```

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

Here you see how a box with a 4 pixel `rgb(161, 153, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(161, 153, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(161, 153, 153);  
box-shadow:4px 4px 4px 4px rgb(161, 153,  
153) }
```

Background

The CSS property to change the background color of an element to CIELCh 64, 3.101, 19.550 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(161, 153, 153) }
```

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

```
.background{ background-color: rgb(161,  
153, 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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