

Converting Colors

CIELCh(64, 4.455, 16.960)

Have a look what the booklet for
CIELCh(64, 4.455, 16.960) contains.

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Color

CIELCh(64, 4.278, 19.701)

Conversions

Conversions Part 1

Format	Color
Hex	A49999
RGB	164, 153, 153
RGB Percent	64%, 60%, 60%
CMY	0.3583, 0.4014, 0.4014
CMYK	0.00, 0.07, 0.07, 0.36
HSL	0°, 6%, 62%
HSV	0°, 7%, 64%
XYZ	32.2823, 32.8017, 34.6068
YIQ	156.2890, 6.5560, 2.3320

Conversions

Conversions Part 2

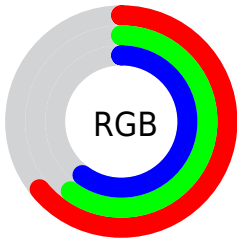
Format	Color
RYB	164, 153, 153
Decimal	10787225
CIELab	64.00, 4.03, 1.44
CIELCh	64, 4.278, 19.701
Yxy	32.8017, 0.3238, 0.3290
Android (android.graphics.Color)	4288977305 (0xFFA49999)
YUV	156.2890, -1.6215, 6.7625
Hunter-Lab	57.2727, 0.3857, 4.2652

Details

The CIELCh color **64, 4.278, 19.701** is a light color, and the websafe version is hex **999999**. A complement of this color would be **66, 4.104, 199.181**, and the grayscale version is **64, 0.008, 296.813**.

A 20% lighter version of the original color is **84, 4.404, 19.607**, and **44, 4.198, 19.852** is the 20% darker color. If you saturate the color by 10%, you get **59, 11.062, 20.525**, and if you desaturate by 10%, it is **69, 2.008, 199.496**.

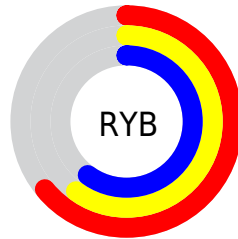
Distribution



Red (64%)

Green (60%)

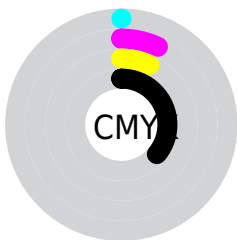
Blue (60%)



Red (64%)

Yellow (60%)

Blue (60%)

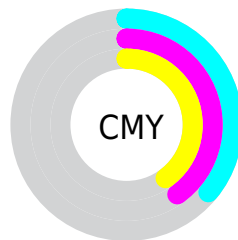


Cyan (0%)

Magenta (7%)

Yellow (7%)

Black (36%)



Cyan (36%)


Magenta (40%)

Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 64, 4.278, 19.701 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, 4.278, 19.701 by changing the saturation by 10% instead.

 64, 4.278, 19.701  64, 4.278, 19.701

 100, 4.278, 19.701  54, 4.278, 19.701

 84, 4.278, 19.701  44, 4.278, 19.701

 94, 4.278, 19.701  34, 4.278, 19.701

 24, 4.278, 19.701

 14, 4.278, 19.701

 4, 4.278, 19.701

 0, 4.278, 19.701

 64, 4.278, 19.701  64, 4.278, 19.701

 59, 11.062, 20.525  69, 2.008, 199.496

55, 18.364, 21.490

74, 7.827, 198.866

50, 26.163, 22.730

79, 13.226,
198.479

46, 34.383, 24.341

83, 18.251,
198.177

42, 42.876, 26.429

39, 51.414, 29.083

88, 22.947,
197.933

37, 59.681, 32.305

93, 27.355,
197.734

35, 67.176, 35.820

34, 73.012, 38.885

95, 28.450,
197.664

Harmonies

Complementary

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



64, 4.278, 19.701



66, 4.104, 199.181

Rectangle

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



64, 4.278, 19.701



64, 4.278, 69.701



64, 4.278, 199.701



64, 4.278, 249.701

Sweetspot

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



64, 4.277, 19.722



84, 1.542, 19.174



64, 7.449, 324.773



45, 0.884, 19.145



93, 0.011, 296.813



45, 0.006, 296.813

Same Dimension

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



64, 4.277, 19.722



80, 6.314, 19.836



65, 3.701, 74.535



32, 3.629, 19.924



30, 68.060, 39.268



1, 5.462, 19.424

Inverse Universe

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



66, 4.104, 199.181



84, 6.005, 199.086



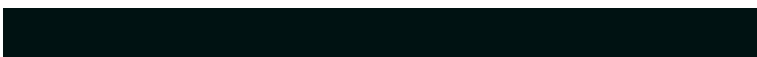
65, 3.652, 256.341



34, 3.427, 199.016



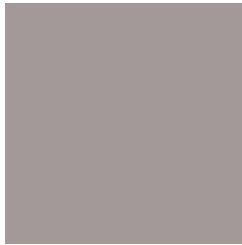
54, 32.954, 196.425



4, 5.461, 199.450

Previews

White Background



This preview shows how the CIELCh color 64, 4.278, 19.701 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, 4.278, 19.701 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

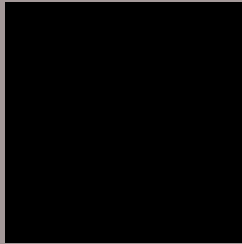
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 64, 4.278, 19.701

Background



This preview shows how black text looks on a background with the CIELCh color 64, 4.278, 19.701.

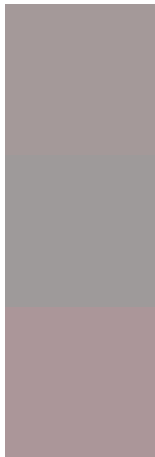


This preview shows how white text looks on a background with the CIELCh color 64, 4.278, 19.701.

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, 4.278, 19.701

Protanopia

64, 1.542, 19.254

Deuteranopia

64, 8.394, 8.751



Tritanopia
64, 8.591, 329.076

Trichromacy



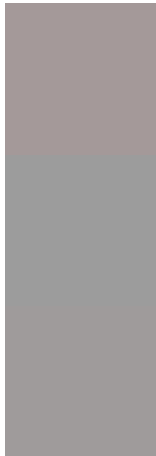
Original Color
64, 4.278, 19.701

Protanomaly
64, 2.318, 19.425

Deuteranomaly
64, 6.735, 10.513

Tritanomaly
64, 6.060, 339.914

Monochromacy



Original Color
64, 4.278, 19.701

Achromatopsia
64, 0.008, 296.813

Achromatomaly
64, 1.540, 19.251

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 64, 4.278, 19.701 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(164, 153, 153)` looks like.

```
.text, #text, p{  
    color:rgb(164, 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(164, 153, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 153, 153) }
```

Border

The CSS property to change the border of an element to CIELCh 64, 4.278, 19.701 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(164, 153, 153) }
```

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

```
.border{ border-color:rgb(164, 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(164, 153, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 153, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 153, 153);  
box-shadow:4px 4px 4px 4px rgb(164, 153,  
153) }
```

Background

The CSS property to change the background color of an element to CIELCh 64, 4.278, 19.701 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 153, 153) }
```

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

```
.background{ background-color: rgb(164,  
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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