

Converting Colors

CIELCh(64, 4.971, 0.074)

Have a look what the booklet for
CIELCh(64, 4.971, 0.074) contains.

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Color

CIELCh(64, 4.949, 0.106)

Conversions

Conversions Part 1

Format	Color
Hex	A4989B
RGB	164, 152, 155
RGB Percent	64%, 60%, 61%
CMY	0.3561, 0.4032, 0.3914
CMYK	0.00, 0.07, 0.05, 0.36
HSL	345°, 6%, 62%
HSV	345°, 7%, 64%
XYZ	32.5387, 32.8017, 35.7083
YIQ	155.9300, 6.1890, 3.4770

Conversions

Conversions Part 2

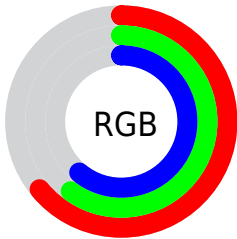
Format	Color
RYB	164, 152, 155
Decimal	10786971
CIELab	64.00, 4.95, 0.01
CIELCh	64, 4.949, 0.106
Yxy	32.8017, 0.3220, 0.3246
Android (android.graphics.Color)	4288977051 (0xFFA4989B)
YUV	155.9300, -0.4585, 7.0774
Hunter-Lab	57.2727, 1.1850, 3.1249

Details

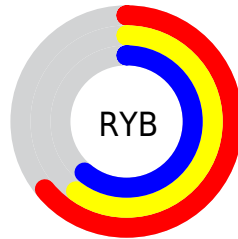
The CIELCh color **64, 4.949, 0.106** is a light color, and the websafe version is hex **999999**. A complement of this color would be **66, 4.826, 178.967**, and the grayscale version is **64, 0.008, 296.813**.

A 20% lighter version of the original color is **84, 5.024, 1.378**, and **44, 4.935, 358.701** is the 20% darker color. If you saturate the color by 10%, you get **59, 11.982, 1.211**, and if you desaturate by 10%, it is **69, 1.773, 179.544**.

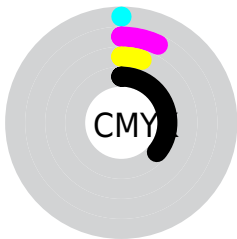
Distribution



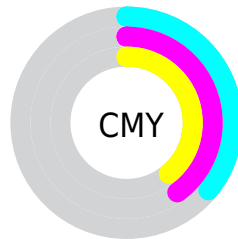
- Red (64%)
- Green (60%)
- Blue (61%)



- Red (64%)
- Yellow (60%)
- Blue (61%)



- Cyan (0%)
- Magenta (7%)
- Yellow (5%)
- Black (36%)



- Cyan (36%)
- Magenta (40%)
- Yellow (39%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 64, 4.949, 0.106 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, 4.949, 0.106 by changing the saturation by 10% instead.

 64, 4.949, 0.106

 64, 4.949, 0.106

 100, 4.949, 0.106

 54, 4.949, 0.106

 84, 4.949, 0.106

 44, 4.949, 0.106

 94, 4.949, 0.106

 34, 4.949, 0.106

 24, 4.949, 0.106

 14, 4.949, 0.106

 4, 4.949, 0.106

 0, 4.949, 0.106

 64, 4.949, 0.106

 64, 4.949, 0.106

 59, 11.982, 1.211

 69, 1.773, 179.544

55, 19.287, 2.446

73, 8.166, 178.563

51, 26.770, 3.911

78, 14.241,
177.836

47, 34.271, 5.693

83, 20.015,
177.195

43, 41.554, 7.902

40, 48.325, 10.679

88, 25.513,
176.618

37, 54.287, 14.181

93, 30.758,
176.094

35, 59.264, 18.528

34, 63.402, 23.611

94, 30.111,
184.005

95, 28.406,
196.325

95, 28.302,
197.673

Harmonies

Complementary

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



64, 4.949, 0.106



66, 4.826, 178.967

Rectangle

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



64, 4.949, 0.106



64, 4.949, 50.106



64, 4.949, 180.106



64, 4.949, 230.106

Sweetspot

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



64, 4.947, 0.119



85, 1.663, 359.401



64, 7.548, 317.577



45, 0.944, 359.371



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, 4.947, 0.119



80, 7.596, 0.319



65, 3.871, 44.991



32, 3.827, 0.329



30, 58.778, 24.294



1, 5.775, 1.263

Inverse Universe

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



64, 4.947, 0.119



80, 7.596, 0.319



66, 3.716, 225.901



32, 3.827, 0.329



30, 58.778, 24.294



1, 5.775, 1.263

Previews

White Background



This preview shows how the CIELCh color 64, 4.949, 0.106 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, 4.949, 0.106 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

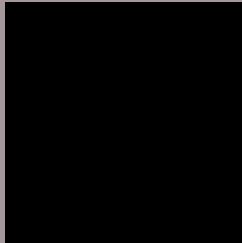
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 64, 4.949, 0.106

Background



This preview shows how black text looks on a background with the CIELCh color 64, 4.949, 0.106.



This preview shows how white text looks on a background with the CIELCh color 64, 4.949, 0.106.

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, 4.949, 0.106

Protanopia

64, 1.616, 335.615

Deuteranopia

64, 8.467, 357.028



Tritanopia
64, 8.591, 329.076

Trichromacy



Original Color

64, 4.949, 0.106

Protanomaly

64, 3.186, 347.946

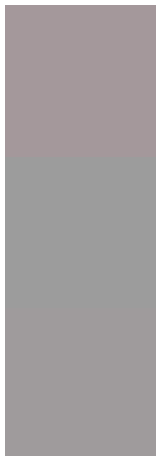
Deuteranomaly

64, 7.168, 357.262

Tritanomaly

64, 7.375, 337.251

Monochromacy



Original Color

64, 4.949, 0.106

Achromatopsia

64, 0.008, 296.813

Achromatomaly

64, 1.642, 359.490

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 64, 4.949, 0.106 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, 152, 155)` looks like.

```
.text, #text, p{  
    color:rgb(164, 152, 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(164, 152, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 152, 155) }
```

Border

The CSS property to change the border of an element to CIELCh 64, 4.949, 0.106 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, 152, 155) }
```

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

```
.border{ border-color:rgb(164, 152, 155) }
```

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

Here you see how a box with a 4 pixel `rgb(164, 152, 155)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 152, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 152, 155);  
box-shadow:4px 4px 4px 4px rgb(164, 152,  
155) }
```

Background

The CSS property to change the background color of an element to CIELCh 64, 4.949, 0.106 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 152, 155) }
```

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

```
.background{ background-color: rgb(164,  
152, 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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