

Converting Colors

CIELCh(67, 5.776, 108.372)

Have a look what the booklet for
CIELCh(67, 5.776, 108.372) contains.

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Color

CIELCh(67, 6.048, 109.539)

Conversions

Conversions Part 1

Format	Color
Hex	A4A499
RGB	164, 164, 153
RGB Percent	64%, 64%, 60%
CMY	0.3577, 0.3577, 0.4009
CMYK	0.00, 0.00, 0.07, 0.36
HSL	60°, 6%, 62%
HSV	60°, 7%, 64%
XYZ	34.2304, 36.6320, 35.3074
YIQ	162.7460, 3.5310, -3.4210

Conversions

Conversions Part 2

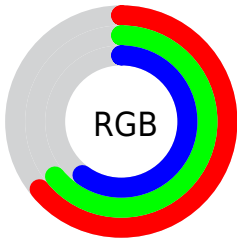
Format	Color
RYB	153, 164, 153
Decimal	10790041
CIELab	67.00, -2.02, 5.70
CIElCh	67, 6.048, 109.539
Yxy	36.6320, 0.3224, 0.3450
Android (android.graphics.Color)	4288980121 (0xFFA4A499)
YUV	162.7460, -4.8048, 1.0998
Hunter-Lab	60.5244, -4.9646, 7.7797

Details

The CIELCh color $67, 6.048, 109.539$ is a light color, and the websafe version is hex 999999 . A complement of this color would be $63, 6.151, 290.862$, and the grayscale version is $67, 0.008, 296.813$.

A 20% lighter version of the original color is $87, 6.251, 109.642$, and $47, 5.891, 109.360$ is the 20% darker color. If you saturate the color by 10%, you get $67, 15.030, 108.606$, and if you desaturate by 10%, it is $67, 2.972, 290.515$.

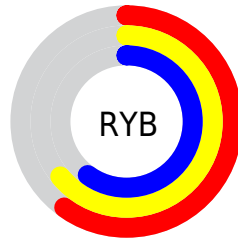
Distribution



Red (64%)

Green (64%)

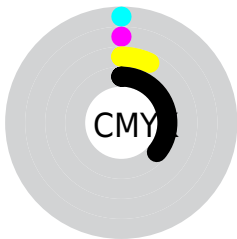
Blue (60%)



Red (60%)

Yellow (64%)

Blue (60%)

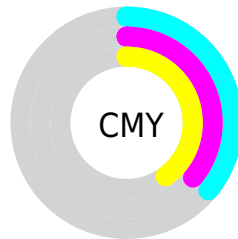


Cyan (0%)

Magenta (0%)

Yellow (7%)

Black (36%)



Cyan (36%)

Magenta (36%)

Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 67, 6.048, 109.539 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 67, 6.048, 109.539 by changing the saturation by 10% instead.

■ 67, 6.048, 109.539

■ 67, 6.048, 109.539

■ 100, 6.048,
109.539

■ 57, 6.048, 109.539

■ 87, 6.048, 109.539

■ 47, 6.048, 109.539

■ 97, 6.048, 109.539

■ 37, 6.048, 109.539

■ 27, 6.048, 109.539

■ 17, 6.048, 109.539

■ 7, 6.048, 109.539

■ 0, 6.048, 109.539

■ 67, 6.048, 109.539

■ 67, 6.048, 109.539

■ 67, 15.030,

■ 67, 2.972, 290.515

108.606

68, 12.000,
291.413

66, 23.914,
107.656

68, 21.009,
292.293

66, 32.619,
106.720

69, 29.981,
293.137

66, 41.016,
105.820

70, 38.904,
293.943

66, 48.909,
104.983

70, 47.766,
294.707

65, 56.011,
104.241

71, 49.895,
294.886

65, 61.944,
103.633

71, 49.895,
294.888

65, 66.297,
103.196

71, 49.895,
294.890

65, 68.877,
102.941

Harmonies

Complementary

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



67, 6.048, 109.539



63, 6.151, 290.862

Rectangle

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



67, 6.048, 109.539



67, 6.048, 159.539



67, 6.048, 289.539



67, 6.048, 339.539

Sweetspot

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



67, 6.050, 109.551



85, 2.214, 109.970



64, 4.280, 19.701



45, 1.268, 109.979



93, 0.011, 296.813



45, 0.006, 296.813

Same Dimension

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



67, 6.050, 109.551



84, 8.877, 109.417



67, 6.441, 128.796



34, 5.079, 109.312



58, 63.749, 102.871



5, 7.945, 110.193

Inverse Universe

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



63, 6.151, 290.862



79, 9.049, 291.010



64, 6.511, 309.344



31, 5.189, 291.130



16, 88.024, 306.288



0, 7.947, 290.189

Previews

White Background



This preview shows how the CIELCh color 67, 6.048, 109.539 looks on a white background.

Color Contrast Check

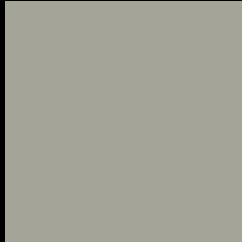
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIELCh color 67, 6.048, 109.539 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

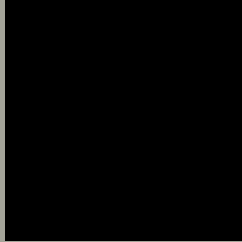
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

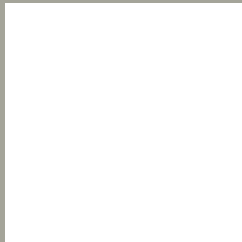
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 67, 6.048, 109.539

Background



This preview shows how black text looks on a background with the CIELCh color 67, 6.048, 109.539.



This preview shows how white text looks on a background with the CIELCh color 67, 6.048, 109.539.

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

67, 6.048, 109.539

Protanopia

67, 5.972, 86.430

Deuteranopia

67, 10.016, 29.690



Tritanopia
67, 7.033, 309.355

Trichromacy



Original Color
67, 6.048, 109.539

Protanomaly
67, 6.155, 98.562

Deuteranomaly
67, 6.854, 43.485

Tritanomaly
67, 2.699, 324.488

Monochromacy



Original Color
67, 6.048, 109.539

Achromatopsia
67, 0.008, 296.813

Achromatomaly
67, 2.198, 109.923

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 67, 6.048, 109.539 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, 164, 153)` looks like.

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

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

Border

The CSS property to change the border of an element to CIELCh 67, 6.048, 109.539 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, 164, 153) }
```

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

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

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

Background

The CSS property to change the background color of an element to CIELCh 67, 6.048, 109.539 is called "background". The background property can be set on classes, ids or directly on the HTML element.

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

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

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