

Converting Colors

CIELCh(67, 2.134, 45.028)

Have a look what the booklet for
CIELCh(67, 2.134, 45.028) contains.

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Color

CIELCh(67, 2.201, 49.341)

Conversions

Conversions Part 1

| Format | Color |
|-------------|---------------------------|
| Hex | A7A2A0 |
| RGB | 167, 162, 160 |
| RGB Percent | 65%, 64%, 63% |
| CMY | 0.3448, 0.3644, 0.3722 |
| CMYK | 0.00, 0.03, 0.04, 0.34 |
| HSL | 17°, 4%, 64% |
| HSV | 17°, 4%, 66% |
| XYZ | 35.2380, 36.6320, 38.5061 |
| YIQ | 163.2670, 3.6220, 0.4380 |

Conversions

Conversions Part 2

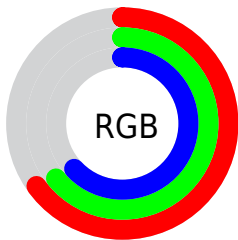
| Format | Color |
|-------------------------------------|------------------------------|
| RYB | 167, 163, 160 |
| Decimal | 10986144 |
| CIELab | 67.00, 1.43, 1.67 |
| CIElCh | 67, 2.201, 49.341 |
| Yxy | 36.6320, 0.3193, 0.3319 |
| Android (android.graphics.Color) | 4289176224 (0xFFA7A2A0) |
| YUV | 163.2670, -1.6106, 3.2738 |
| Hunter-Lab | 60.5244, -1.9929, 4.6463 |

Details

The CIELCh color $67, 2.201, 49.341$ is a light color, and the websafe version is hex 999999 . A complement of this color would be $67, 2.158, 230.312$, and the grayscale version is $67, 0.008, 296.813$.

A 20% lighter version of the original color is $87, 2.079, 49.336$, and $47, 2.138, 35.489$ is the 20% darker color. If you saturate the color by 10%, you get $63, 7.743, 48.981$, and if you desaturate by 10%, it is $71, 2.953, 230.353$.

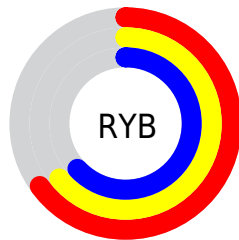
Distribution



Red (65%)

Green (64%)

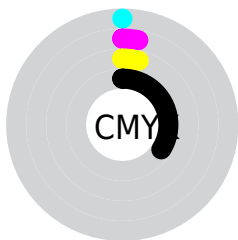
Blue (63%)



Red (65%)

Yellow (64%)

Blue (63%)

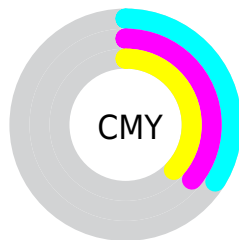


Cyan (0%)

Magenta (3%)

Yellow (4%)

Black (34%)



Cyan (34%)

Magenta (36%)

Yellow (37%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 67, 2.201, 49.341 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, 2.201, 49.341 by changing the saturation by 10% instead.

■ 67, 2.201, 49.341

■ 67, 2.201, 49.341

■ 100, 2.201, 49.341

■ 57, 2.201, 49.341

■ 87, 2.201, 49.341

■ 47, 2.201, 49.341

■ 97, 2.201, 49.341

■ 37, 2.201, 49.341

■ 27, 2.201, 49.341

■ 17, 2.201, 49.341

■ 7, 2.201, 49.341

■ 0, 2.201, 49.341

■ 67, 2.201, 49.341

■ 67, 2.201, 49.341

■ 63, 7.743, 48.981

■ 71, 2.953, 230.353

60, 13.717, 48.516

74, 7.761, 230.895

56, 20.158, 48.126

78, 12.262,
231.528

53, 27.089, 47.843

82, 16.495,
232.181

50, 34.507, 47.687

47, 42.352, 47.657

85, 20.493,
232.836

44, 50.457, 47.708

89, 23.147,
227.186

42, 58.426, 47.679

40, 65.413, 47.183

92, 24.844,
209.337

95, 27.538,
197.720

Harmonies

Complementary

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



67, 2.201, 49.341



67, 2.158, 230.312

Rectangle

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



67, 2.201, 49.341



67, 2.201, 99.341



67, 2.201, 229.341



67, 2.201, 279.341

Sweetspot

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



67, 2.201, 49.393



86, 0.639, 48.932



67, 3.866, 333.820



46, 0.366, 48.885



94, 0.011, 296.813



46, 0.006, 296.813

Same Dimension

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



67, 2.201, 49.393



84, 3.258, 49.377



68, 3.056, 98.869



35, 1.804, 49.364



34, 62.991, 47.312



3, 5.456, 44.959

Inverse Universe

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



67, 2.158, 230.312



85, 3.177, 230.337



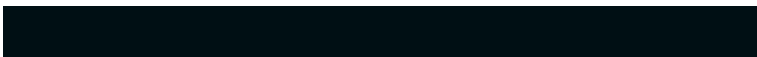
66, 3.082, 279.909



35, 1.754, 230.356



42, 31.713, 252.525



3, 5.399, 238.985

Previews

White Background



This preview shows how the CIELCh color 67, 2.201, 49.341 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 67, 2.201, 49.341 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

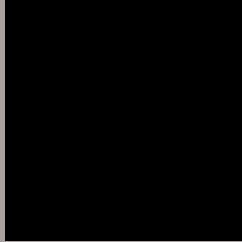
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

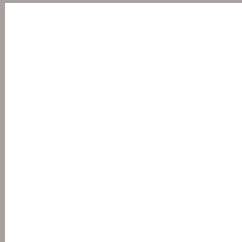
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 67, 2.201, 49.341

Background



This preview shows how black text looks on a background with the CIELCh color 67, 2.201, 49.341.

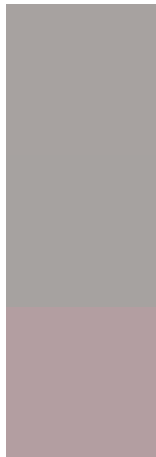


This preview shows how white text looks on a background with the CIELCh color 67, 2.201, 49.341.

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, 2.201, 49.341

Protanopia

67, 1.876, 55.191

Deuteranopia

67, 8.310, 8.698



Tritanopia
67, 7.976, 315.777

Trichromacy



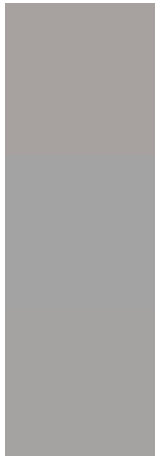
Original Color
67, 2.201, 49.341

Protanomaly
67, 1.876, 55.191

Deuteranomaly
67, 6.283, 9.836

Tritanomaly
67, 4.714, 324.618

Monochromacy



Original Color
67, 2.201, 49.341

Achromatopsia
67, 0.008, 296.813

Achromatomaly
67, 0.660, 74.795

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 67, 2.201, 49.341 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(167, 162, 160)` looks like.

```
.text, #text, p{  
    color:rgb(167, 162, 160)  
}
```

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(167, 162, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 162, 160) }
```

Border

The CSS property to change the border of an element to CIELCh 67, 2.201, 49.341 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(167, 162, 160) }
```

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

```
.border{ border-color:rgb(167, 162, 160) }
```

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

Here you see how a box with a 4 pixel `rgb(167, 162, 160)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 162, 160); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 162, 160);  
box-shadow:4px 4px 4px 4px rgb(167, 162,  
160) }
```

Background

The CSS property to change the background color of an element to CIELCh 67, 2.201, 49.341 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 162, 160) }
```

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

```
.background{ background-color: rgb(167,  
162, 160) }
```

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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