

Converting Colors

CIELCh(67, 12.878, 309.604)

Have a look what the booklet for
CIELCh(67, 12.878, 309.604)
contains.

CIELCh(67, 12.878, 309.604)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(67, 12.878, 309.604)

Conversions

Conversions Part 1

Format	Color
Hex	AA9FB5
RGB	170, 159, 181
RGB Percent	67%, 62%, 71%
CMY	0.3337, 0.3768, 0.2906
CMYK	0.06, 0.12, 0.00, 0.29
HSL	270°, 13%, 67%
HSV	270°, 12%, 71%
XYZ	37.2699, 36.6320, 48.7710
YIQ	164.7970, -0.5060, 9.1740

Conversions

Conversions Part 2

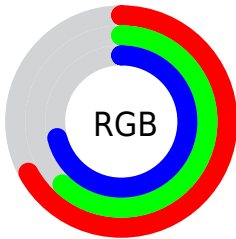
Format	Color
R_{YB}	170, 159, 181
Decimal	11182005
CIE Lab	67.00, 8.21, -9.92
CIE LCh	67, 12.878, 309.604
Yxy	36.6320, 0.3038, 0.2986
Android (android.graphics.Color)	4289372085 (0xFFAA9FB5)
YUV	164.7970, 7.9881, 4.5630
Hunter-Lab	60.5244, 3.9997, -5.4093

Details

The CIELCh color $67, 12.878, 309.604$ is a light color, and the websafe version is hex 999999 . A complement of this color would be $72, 12.662, 128.539$, and the grayscale version is $68, 0.008, 296.813$.

A 20% lighter version of the original color is $87, 12.705, 308.743$, and $47, 12.526, 309.751$ is the 20% darker color. If you saturate the color by 10%, you get $62, 23.787, 310.099$, and if you desaturate by 10%, it is $72, 2.259, 309.110$.

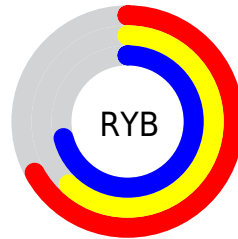
Distribution



Red (67%)

Green (62%)

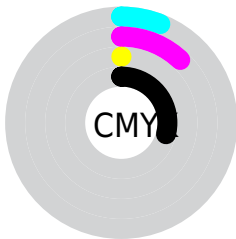
Blue (71%)



Red (67%)

Yellow (62%)

Blue (71%)

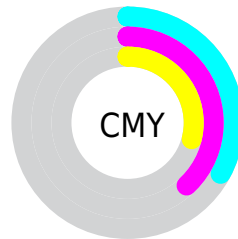


Cyan (6%)

Magenta (12%)

Yellow (0%)

Black (29%)



Cyan (33%)

Magenta (38%)

Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 67, 12.878, 309.604 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, 12.878, 309.604 by changing the saturation by 10% instead.

■ 67, 12.878,
309.604

■ 67, 12.878,
309.604

■ 100, 12.878,
309.604

■ 57, 12.878,
309.604

■ 87, 12.878,
309.604

■ 47, 12.878,
309.604

■ 97, 12.878,
309.604

■ 37, 12.878,
309.604

■ 27, 12.878,
309.604

■ 17, 12.878,
309.604

■ 7, 12.878, 309.604

■ 0, 12.878, 309.604

67, 12.878,
309.604

67, 12.878,
309.604

62, 23.787,
310.099

72, 2.259, 309.110

56, 34.939,
310.624

78, 8.043, 128.764

51, 46.231,
311.164

83, 18.028,
128.392

46, 57.474,
311.688

89, 27.701,
128.067

41, 68.350,
312.148

94, 37.075,
127.783

37, 78.365,
312.472

96, 39.141,
124.617

33, 86.835,
312.562

97, 38.204,
119.847

30, 93.006,

98, 37.558,
114.788

312.304

■ 98, 37.234,
109.519

■ 28, 96.420,
311.913

Harmonies

Complementary

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



67, 12.878, 309.604



72, 12.662, 128.539

Rectangle

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



67, 12.878, 309.604



67, 12.878, 359.604



67, 12.878, 129.604



67, 12.878, 179.604

Sweetspot

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



67, 12.876, 309.602



90, 5.178, 309.216



69, 7.056, 255.217



47, 3.680, 309.253



96, 0.011, 296.813



49, 0.007, 296.813

Same Dimension

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



67, 12.876, 309.602



83, 19.706, 309.752



68, 14.598, 324.628



35, 5.909, 309.467



23, 85.091, 312.061



1, 13.840, 305.231

Inverse Universe

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



68, 10.358, 344.629



84, 15.838, 344.915



71, 14.575, 143.308



35, 4.756, 344.369



32, 57.951, 1.309



2, 10.605, 349.859

Previews

White Background



This preview shows how the CIELCh color 67, 12.878, 309.604 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, 12.878, 309.604 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

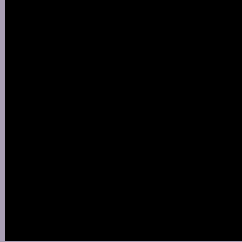
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 67, 12.878, 309.604

Background



This preview shows how black text looks on a background with the CIELCh color 67, 12.878, 309.604.



This preview shows how white text looks on a background with the CIELCh color 67, 12.878, 309.604.

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, 12.878, 309.604

Protanopia

67, 11.618, 287.833

Deuteranopia

67, 12.999, 311.154



Tritanopia
67, 7.976, 315.777

Trichromacy



Original Color
67, 12.878, 309.604

Protanomaly
67, 11.686, 296.701

Deuteranomaly
67, 12.999, 311.154

Tritanomaly
67, 9.500, 311.590

Monochromacy



Original Color
67, 12.878, 309.604

Achromatopsia
68, 0.008, 296.813

Achromatomaly
68, 4.686, 309.247

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 67, 12.878, 309.604 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(170, 159, 181)` looks like.

```
.text, #text, p{  
    color:rgb(170, 159, 181)  
}
```

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(170, 159, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 159, 181) }
```

Border

The CSS property to change the border of an element to CIELCh 67, 12.878, 309.604 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(170, 159, 181) }
```

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

```
.border{ border-color:rgb(170, 159, 181) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 159, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 159, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 159, 181);  
box-shadow:4px 4px 4px 4px rgb(170, 159,  
181) }
```

Background

The CSS property to change the background color of an element to CIELCh 67, 12.878, 309.604 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 159, 181) }
```

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

```
.background{ background-color: rgb(170,  
159, 181) }
```

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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