

Converting Colors

CIELCh(67, 13.790, 313.293)

Have a look what the booklet for
CIELCh(67, 13.790, 313.293)
contains.

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Color

CIELCh(67, 13.790, 313.293)

Conversions

Conversions Part 1

Format	Color
Hex	AC9EB5
RGB	172, 158, 181
RGB Percent	67%, 62%, 71%
CMY	0.3249, 0.3798, 0.2896
CMYK	0.05, 0.13, 0.00, 0.29
HSL	277°, 13%, 67%
HSV	277°, 13%, 71%
XYZ	37.6521, 36.6320, 48.8811
YIQ	164.8080, 0.9610, 10.1210

Conversions

Conversions Part 2

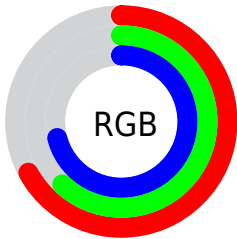
Format	Color
R_{YB}	172, 158, 181
Decimal	11312821
CIE _{Lab}	67.00, 9.46, -10.04
CIE _{LCh}	67, 13.790, 313.293
Yxy	36.6320, 0.3057, 0.2974
Android (android.graphics.Color)	4289502901 (0xFFAC9EB5)
YUV	164.8080, 7.9827, 6.3074
Hunter-Lab	60.5244, 5.1269, -5.5172

Details

The CIELCh color $67, 13.790, 313.293$ is a light color, and the websafe version is hex 999999 . A complement of this color would be $72, 13.606, 132.246$, and the grayscale version is $68, 0.008, 296.813$.

A 20% lighter version of the original color is $87, 13.563, 312.344$, and $47, 13.497, 313.776$ is the 20% darker color. If you saturate the color by 10%, you get $62, 24.922, 313.741$, and if you desaturate by 10%, it is $72, 2.898, 312.833$.

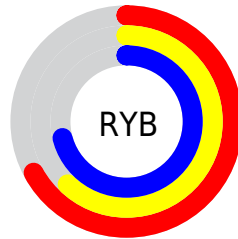
Distribution



Red (67%)

Green (62%)

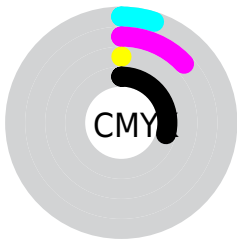
Blue (71%)



Red (67%)

Yellow (62%)

Blue (71%)

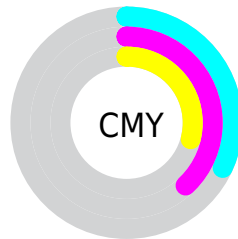


Cyan (5%)

Magenta (13%)

Yellow (0%)

Black (29%)



Cyan (32%)


Magenta (38%)


Yellow (29%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 67, 13.790, 313.293 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, 13.790, 313.293 by changing the saturation by 10% instead.


 67, 13.790,
313.293


 67, 13.790,
313.293


 100, 13.790,
313.293


 57, 13.790,
313.293


 87, 13.790,
313.293

 47, 13.790,
313.293

 97, 13.790,
313.293

 37, 13.790,
313.293

 27, 13.790,
313.293

 17, 13.790,
313.293

 7, 13.790, 313.293

 0, 13.790, 313.293

67, 13.790,
313.293

67, 13.790,
313.293

62, 24.922,
313.741

72, 2.898, 312.833

57, 36.219,
314.198

78, 7.706, 132.510

52, 47.533,
314.646

83, 18.007,
132.144

47, 58.630,
315.053

88, 28.001,
131.820

42, 69.143,
315.372

94, 37.695,
131.531

38, 78.559,
315.538

96, 40.286,
129.323

35, 86.244,
315.472

96, 39.323,
125.894

33, 91.592,

97, 38.508,
122.245

315.090

97, 37.861,
118.398

31, 94.308,
314.664

Harmonies

Complementary

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



67, 13.790, 313.293



72, 13.606, 132.246

Rectangle

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



67, 13.790, 313.293



67, 13.790, 3.293



67, 13.790, 133.293



67, 13.790, 183.293

Sweetspot

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



67, 13.788, 313.292



90, 5.308, 312.905



68, 8.217, 267.171



47, 3.771, 312.941



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, 13.788, 313.292



83, 20.158, 313.405



68, 14.329, 327.980



36, 6.195, 313.144



26, 84.196, 314.791



2, 16.289, 308.742

Inverse Universe

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



67, 10.124, 351.080



84, 14.814, 351.344



72, 14.303, 146.502



36, 4.543, 350.740



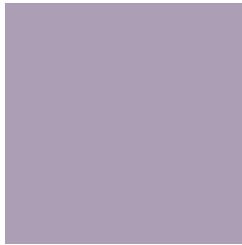
33, 58.634, 11.740



2, 11.581, 356.883

Previews

White Background



This preview shows how the CIELCh color 67, 13.790, 313.293 looks on a white background.

Color Contrast Check

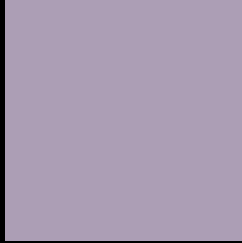
Large Text (above 18pt) WCAG AA × Fail

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, 13.790, 313.293 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

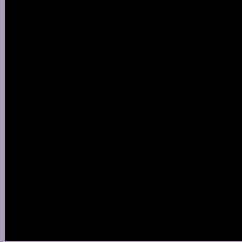
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 67, 13.790, 313.293

Background



This preview shows how black text looks on a background with the CIELCh color 67, 13.790, 313.293.



This preview shows how white text looks on a background with the CIELCh color 67, 13.790, 313.293.

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, 13.790, 313.293

Protanopia

67, 12.168, 288.058

Deuteranopia

67, 12.999, 311.154



Tritanopia
67, 7.852, 322.493

Trichromacy



Original Color
67, 13.790, 313.293

Protanomaly
67, 12.236, 296.503

Deuteranomaly
67, 12.999, 311.154

Tritanomaly
67, 9.963, 317.661

Monochromacy



Original Color
67, 13.790, 313.293

Achromatopsia
68, 0.008, 296.813

Achromatomaly
68, 4.822, 313.472

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 67, 13.790, 313.293 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(172, 158, 181)` looks like.

```
.text, #text, p{  
    color:rgb(172, 158, 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(172, 158, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 158, 181) }
```

Border

The CSS property to change the border of an element to CIELCh 67, 13.790, 313.293 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(172, 158, 181) }
```

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

```
.border{ border-color:rgb(172, 158, 181) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 158, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 158, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 158, 181);  
box-shadow:4px 4px 4px 4px rgb(172, 158,  
181) }
```

Background

The CSS property to change the background color of an element to CIELCh 67, 13.790, 313.293 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 158, 181) }
```

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

```
.background{ background-color: rgb(172,  
158, 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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