

Converting Colors

CIELCh(67, 33.207, 293.483)

Have a look what the booklet for
CIELCh(67, 33.207, 293.483)
contains.

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Color

CIELCh(67, 33.188, 293.501)

Conversions

Conversions Part 1

Format	Color
Hex	9E9EDA
RGB	158, 158, 218
RGB Percent	62%, 62%, 85%
CMY	0.3816, 0.3816, 0.1464
CMYK	0.28, 0.28, 0.00, 0.15
HSL	240°, 45%, 74%
HSV	240°, 28%, 85%
XYZ	38.8262, 36.6320, 71.1309
YIQ	164.8400, -19.2600, 18.6600

Conversions

Conversions Part 2

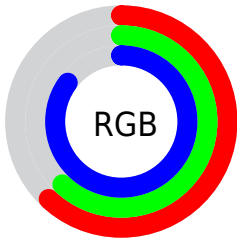
Format	Color
RYB	158, 158, 218
Decimal	10395354
CIELab	67.00, 13.23, -30.44
CIELCh	67, 33.188, 293.501
Yxy	36.6320, 0.2649, 0.2499
Android (android.graphics.Color)	4288585434 (0xFF9E9EDA)
YUV	164.8400, 26.2079, -5.9987
Hunter-Lab	60.5244, 8.5896, -27.3132

Details

The CIELCh color `67, 33.188, 293.501` is a light color, and the websafe version is hex `9999CC`. A complement of this color would be `86, 31.063, 107.505`, and the grayscale version is `67, 0.008, 296.813`.

A 20% lighter version of the original color is `87, 22.053, 292.864`, and `47, 33.132, 293.359` is the 20% darker color. If you saturate the color by 10%, you get `60, 46.212, 295.124`, and if you desaturate by 10%, it is `74, 20.705, 292.117`.

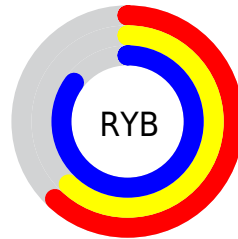
Distribution



Red (62%)

Green (62%)

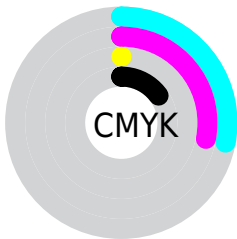
Blue (85%)



Red (62%)

Yellow (62%)

Blue (85%)

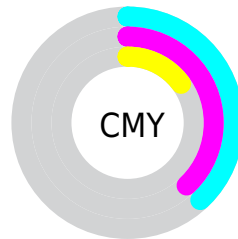


Cyan (28%)

Magenta (28%)

Yellow (0%)

Black (15%)



Cyan (38%)

Magenta (38%)

Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 67, 33.188, 293.501 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, 33.188, 293.501 by changing the saturation by 10% instead.

■ 67, 33.188,
293.501

■ 67, 33.188,
293.501

■ 100, 33.188,
293.501

■ 57, 33.188,
293.501

■ 87, 33.188,
293.501

■ 47, 33.188,
293.501

■ 97, 33.188,
293.501

■ 37, 33.188,
293.501

■ 27, 33.188,
293.501

■ 17, 33.188,
293.501

■ 7, 33.188, 293.501

■ 0, 33.188, 293.501

67, 33.188,
293.501

67, 33.188,
293.501

60, 46.212,
295.124

74, 20.705,
292.117

53, 59.778,
296.998

81, 8.738, 290.947

89, 2.755, 109.920

46, 73.772,
299.097

96, 13.810,
109.096

39, 87.808,
301.318

99, 18.870,
108.750

34, 100.941,
303.441

30, 111.462,
305.134

27, 117.595,
306.106

27, 118.739,

Harmonies

Complementary

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



67, 33.188, 293.501



86, 31.063, 107.505

Rectangle

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



67, 33.188, 293.501



67, 33.188, 343.501



67, 33.188, 113.501



67, 33.188, 163.501

Sweetspot

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



67, 33.187, 293.501



93, 10.527, 291.002



83, 19.996, 196.498



49, 7.503, 291.168



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



67, 33.187, 293.501



73, 45.744, 294.401



69, 34.542, 309.844



42, 6.627, 291.151



20, 100.209, 306.285



2, 29.599, 294.913

Inverse Universe

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



71, 24.023, 21.615



78, 33.409, 22.327



84, 33.194, 127.193



43, 4.639, 19.920



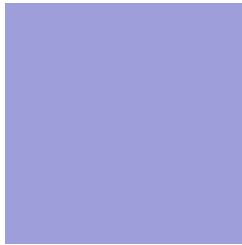
36, 78.229, 39.923



5, 23.840, 20.263

Previews

White Background



This preview shows how the CIELCh color 67, 33.188, 293.501 looks on a white background.

Color Contrast Check

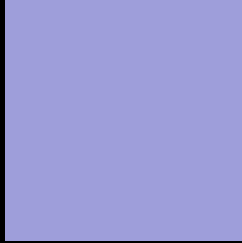
Large Text (above 18pt) WCAG AA × Fail

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, 33.188, 293.501 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

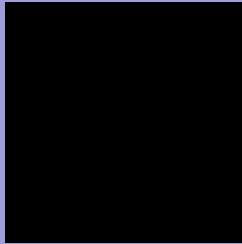
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 67, 33.188, 293.501

Background



This preview shows how black text looks on a background with the CIELCh color 67, 33.188, 293.501.



This preview shows how white text looks on a background with the CIELCh color 67, 33.188, 293.501.

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

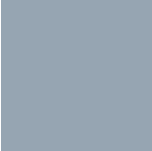
67, 33.188, 293.501

Protanopia

67, 32.771, 285.169

Deuteranopia

67, 31.598, 286.973



Tritanopia
67, 8.857, 253.552

Trichromacy



Original Color
67, 33.188, 293.501

Protanomaly
67, 32.662, 287.867

Deuteranomaly
67, 32.095, 289.396

Tritanomaly
67, 16.798, 281.189

Monochromacy



Original Color
67, 33.188, 293.501

Achromatopsia
68, 0.008, 296.813

Achromatomaly
67, 12.159, 291.427

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 67, 33.188, 293.501 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(158, 158, 218)` looks like.

```
.text, #text, p{  
    color:rgb(158, 158, 218)  
}
```

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(158, 158, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 158, 218) }
```

Border

The CSS property to change the border of an element to CIELCh 67, 33.188, 293.501 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(158, 158, 218) }
```

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

```
.border{ border-color:rgb(158, 158, 218) }
```

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

Here you see how a box with a 4 pixel `rgb(158, 158, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 158, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 158, 218);  
box-shadow:4px 4px 4px 4px rgb(158, 158,  
218) }
```

Background

The CSS property to change the background color of an element to CIELCh 67, 33.188, 293.501 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 158, 218) }
```

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

```
.background{ background-color: rgb(158,  
158, 218) }
```

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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