

Converting Colors

CIELCh(60, 34.216, 308.425)

Have a look what the booklet for
CIELCh(60, 34.216, 308.425)
contains.

CIELCh(60, 34.038, 308.237)	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(60, 34.038, 308.237)

Conversions

Conversions Part 1

Format	Color
Hex	9F86C0
RGB	159, 134, 192
RGB Percent	62%, 53%, 75%
CMY	0.3774, 0.4754, 0.2481
CMYK	0.17, 0.30, 0.00, 0.25
HSL	266°, 31%, 64%
HSV	266°, 30%, 75%
XYZ	32.2261, 28.1233, 53.4493
YIQ	148.0870, -3.7180, 23.3380

Conversions

Conversions Part 2

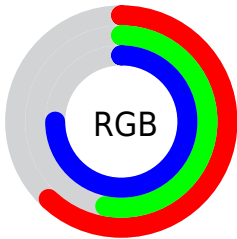
Format	Color
RYB	159, 134, 192
Decimal	10454720
CIELab	60.00, 21.07, -26.74
CIElCh	60, 34.038, 308.237
Yxy	28.1233, 0.2832, 0.2471
Android (android.graphics.Color)	4288644800 (0xFF9F86C0)
YUV	148.0870, 21.6491, 9.5707
Hunter-Lab	53.0314, 15.6658, -22.6352

Details

The CIELCh color $60, 34.038, 308.237$ is a light color, and the websafe version is hex $9999CC$. A complement of this color would be $75, 32.417, 125.150$, and the grayscale version is $61, 0.008, 296.813$.

A 20% lighter version of the original color is $80, 34.439, 308.093$, and $40, 33.992, 308.562$ is the 20% darker color. If you saturate the color by 10%, you get $54, 45.848, 308.860$, and if you desaturate by 10%, it is $66, 22.459, 307.649$.

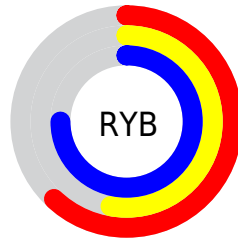
Distribution



Red (62%)

Green (53%)

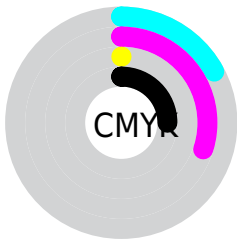
Blue (75%)



Red (62%)

Yellow (53%)

Blue (75%)

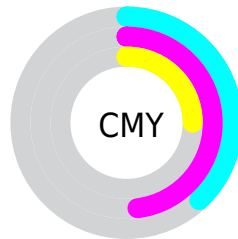


Cyan (17%)

Magenta (30%)

Yellow (0%)

Black (25%)



Cyan (38%)

Magenta (48%)

Yellow (25%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 60, 34.038, 308.237 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 60, 34.038, 308.237 by changing the saturation by 10% instead.

■ 60, 34.038,
308.237

■ 60, 34.038,
308.237

■ 100, 34.038,
308.237

■ 50, 34.038,
308.237

■ 80, 34.038,
308.237

■ 40, 34.038,
308.237

■ 90, 34.038,
308.237

■ 30, 34.038,
308.237

■ 20, 34.038,
308.237

■ 10, 34.038,
308.237

■ 0, 34.038, 308.237

■ 60, 34.038,

■ 60, 34.038,

308.237

54, 45.848,
308.860

49, 57.742,
309.495

43, 69.437,
310.095

39, 80.460,
310.590

34, 90.092,
310.872

31, 97.439,
310.808

28, 102.219,
310.415

308.237

66, 22.459,
307.649

72, 11.192,
307.108

77, 0.266, 306.288


83, 10.312,
126.213

89, 20.546,
125.831

95, 30.452,
125.499

97, 32.801,
120.914

98, 32.054,
113.836

 99, 31.845,
107.755

Harmonies

Complementary

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



60, 34.038, 308.237



75, 32.417, 125.150

Rectangle

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



60, 34.038, 308.237



60, 34.038, 358.237



60, 34.038, 128.237



60, 34.038, 178.237

Sweetspot

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



60, 34.036, 308.237



92, 12.179, 307.052



67, 17.161, 250.196



48, 8.480, 307.128



99, 0.012, 296.813



52, 0.007, 296.813

Same Dimension

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



60, 34.036, 308.237



72, 50.653, 308.629



63, 37.483, 323.651



38, 6.243, 307.064



23, 89.524, 310.560



2, 20.004, 303.020

Inverse Universe

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



62, 28.595, 342.680



76, 42.176, 343.333



73, 37.302, 140.326



38, 5.337, 340.796



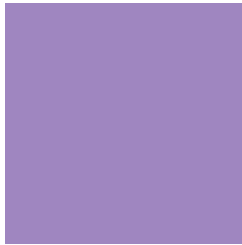
35, 61.195, 355.215



3, 16.510, 348.154

Previews

White Background



This preview shows how the CIELCh color 60, 34.038, 308.237 looks on a white background.

Color Contrast Check

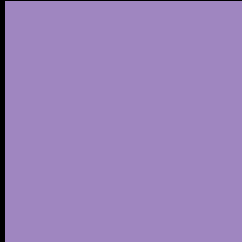
Large Text (above 18pt) WCAG AA ✓ Pass

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 60, 34.038, 308.237 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

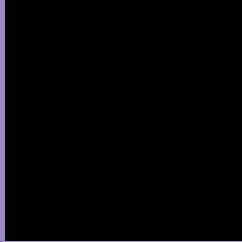
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 60, 34.038, 308.237

Background



This preview shows how black text looks on a background with the CIELCh color 60, 34.038, 308.237.



This preview shows how white text looks on a background with the CIELCh color 60, 34.038, 308.237.

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
60, 34.038, 308.237

Protanopia
60, 31.793, 285.026

Deuteranopia
60, 27.178, 287.576



Tritanopia
60, 7.557, 324.800

Trichromacy



Original Color
60, 34.038, 308.237

Protanomaly
60, 31.654, 293.043

Deuteranomaly
60, 29.494, 296.006

Tritanomaly
60, 17.002, 312.238

Monochromacy



Original Color
60, 34.038, 308.237

Achromatopsia
61, 0.008, 296.813

Achromatomaly
61, 12.363, 307.150

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 60, 34.038, 308.237 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(159, 134, 192)` looks like.

```
.text, #text, p{  
    color:rgb(159, 134, 192)  
}
```

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(159, 134, 192) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 134, 192) }
```

Border

The CSS property to change the border of an element to CIELCh 60, 34.038, 308.237 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(159, 134, 192) }
```

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

```
.border{ border-color:rgb(159, 134, 192) }
```

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

Here you see how a box with a 4 pixel `rgb(159, 134, 192)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 134, 192); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 134, 192);  
box-shadow:4px 4px 4px 4px rgb(159, 134,  
192) }
```

Background

The CSS property to change the background color of an element to CIELCh 60, 34.038, 308.237 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 134, 192) }
```

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

```
.background{ background-color: rgb(159,  
134, 192) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor