

Converting Colors

CIELCh(34, 38.035, 313.505)

Have a look what the booklet for
CIELCh(34, 38.035, 313.505)
contains.

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Color

CIELCh(34, 38.035, 313.505)

Conversions

Conversions Part 1

Format	Color
Hex	63427C
RGB	99, 66, 124
RGB Percent	39%, 26%, 49%
CMY	0.6117, 0.7411, 0.5136
CMYK	0.20, 0.47, 0.00, 0.51
HSL	274°, 31%, 37%
HSV	274°, 47%, 49%
XYZ	10.7366, 8.0082, 20.0554
YIQ	82.4790, 1.0500, 25.0340

Conversions

Conversions Part 2

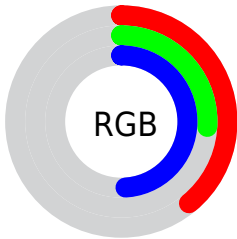
Format	Color
R_{YB}	99, 66, 124
Decimal	6505084
CIE _{Lab}	34.00, 26.18, -27.59
CIE _{LCh}	34, 38.035, 313.505
Yxy	8.0082, 0.2767, 0.2064
Android (android.graphics.Color)	4284695164 (0xFF63427C)
YUV	82.4790, 20.4699, 14.4889
Hunter-Lab	28.2988, 18.1999, -22.2097

Details

The CIELCh color **34, 38.035, 313.505** is a dark color, and the websafe version is hex **663366**. A complement of this color would be **48, 36.036, 129.362**, and the grayscale version is **35, 0.005, 296.813**.

A 20% lighter version of the original color is **54, 37.958, 313.398**, and **14, 38.287, 313.332** is the 20% darker color. If you saturate the color by 10%, you get **30, 46.153, 313.918**, and if you desaturate by 10%, it is **38, 29.748, 313.050**.

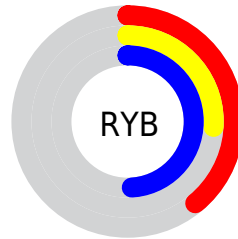
Distribution



Red (39%)

Green (26%)

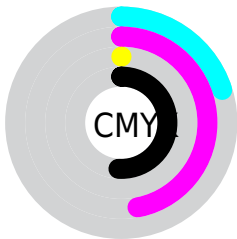
Blue (49%)



Red (39%)

Yellow (26%)

Blue (49%)

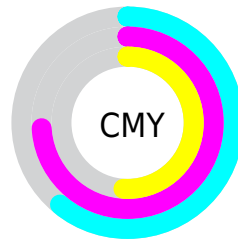


Cyan (20%)

Magenta (47%)

Yellow (0%)

Black (51%)



Cyan (61%)


Magenta (74%)


Yellow (51%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 34, 38.035, 313.505 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 34, 38.035, 313.505 by changing the saturation by 10% instead.


 34, 38.035,
313.505

 34, 38.035,
313.505

 100, 38.035,
313.505


 24, 38.035,
313.505

 54, 38.035,
313.505

 14, 38.035,
313.505

 64, 38.035,
313.505

 4, 38.035, 313.505

 74, 38.035,
313.505

 0, 38.035, 313.505

 84, 38.035,
313.505

 94, 38.035,
313.505

■ 34, 38.035,
313.505

■ 34, 38.035,
313.505

■ 30, 46.153,
313.918

■ 38, 29.748,
313.050

■ 27, 53.838,
314.242

■ 42, 21.468,
312.586

■ 24, 60.713,
314.412

■ 45, 13.299,
312.133

■ 22, 66.315,
314.344

■ 49, 5.303, 311.695

■ 20, 70.499,
314.030

■ 53, 2.490, 131.358

■ 19, 71.876,
313.959

■ 57, 10.066,
130.967

■ 61, 17.422,
130.637

■ 65, 24.561,
130.344

■ 69, 31.491,
130.084

Harmonies

Complementary

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



34, 38.035, 313.505



48, 36.036, 129.362

Rectangle

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



34, 38.035, 313.505



34, 38.035, 3.505



34, 38.035, 133.505



34, 38.035, 183.505

Sweetspot

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



34, 38.034, 313.505



59, 13.684, 312.025



38, 21.458, 270.430



30, 9.541, 312.105



84, 0.010, 296.813



35, 0.005, 296.813

Same Dimension

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



34, 38.034, 313.505



40, 56.253, 313.939



37, 39.074, 328.798



24, 4.379, 311.795



19, 72.267, 313.951



43, 122.232, 313.366

Inverse Universe

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



36, 28.557, 352.597



43, 41.758, 354.338



47, 39.218, 142.670



24, 3.320, 348.255



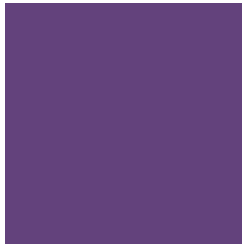
26, 49.771, 6.848



54, 83.926, 9.722

Previews

White Background



This preview shows how the CIELCh color 34, 38.035, 313.505 looks on a white 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

Black Background



This preview shows how the CIE LCh color 34, 38.035, 313.505 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

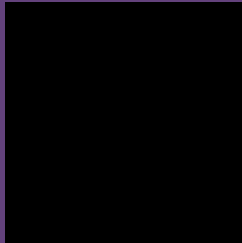
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 34, 38.035, 313.505

Background



This preview shows how black text looks on a background with the CIELCh color 34, 38.035, 313.505.



This preview shows how white text looks on a background with the CIELCh color 34, 38.035, 313.505.

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

34, 38.035, 313.505

Protanopia

34, 35.880, 285.834

Deuteranopia

34, 26.087, 280.839



Tritanopia
34, 7.927, 352.493

Trichromacy



Original Color
34, 38.035, 313.505

Protanomaly
34, 35.726, 294.921

Deuteranomaly
34, 29.508, 294.993

Tritanomaly
34, 18.305, 323.457

Monochromacy



Original Color
34, 38.035, 313.505

Achromatopsia
35, 0.005, 296.813

Achromatomaly
35, 14.078, 312.398

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 34, 38.035, 313.505 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(99, 66, 124)` looks like.

```
.text, #text, p{  
    color:rgb(99, 66, 124)  
}
```

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(99, 66, 124) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 66, 124) }
```

Border

The CSS property to change the border of an element to CIELCh 34, 38.035, 313.505 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(99, 66, 124) }
```

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

```
.border{ border-color:rgb(99, 66, 124) }
```

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

Here you see how a box with a 4 pixel `rgb(99, 66, 124)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 66, 124); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 66, 124);  
box-shadow:4px 4px 4px 4px rgb(99, 66,  
124) }
```

Background

The CSS property to change the background color of an element to CIELCh 34, 38.035, 313.505 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 66, 124) }
```

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

```
.background{ background-color: rgb(99, 66,  
124) }
```

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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