

Converting Colors

CIELCh(34, 34.737, 303.240)

Have a look what the booklet for
CIELCh(34, 34.737, 303.240)
contains.

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Color

CIELCh(34, 34.912, 303.446)

Conversions

Conversions Part 1

Format	Color
Hex	55477E
RGB	85, 71, 126
RGB Percent	33%, 28%, 49%
CMY	0.6654, 0.7203, 0.5045
CMYK	0.32, 0.44, 0.00, 0.50
HSL	255°, 28%, 39%
HSV	255°, 44%, 50%
XYZ	9.8377, 8.0082, 20.8826
YIQ	81.4560, -9.3110, 20.0730

Conversions

Conversions Part 2

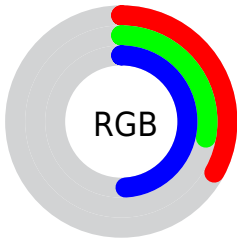
Format	Color
R_{YB}	85, 71, 126
Decimal	5588862
CIE _{Lab}	34.00, 19.24, -29.13
CIE _{LCh}	34, 34.912, 303.446
Yxy	8.0082, 0.2540, 0.2068
Android (android.graphics.Color)	4283778942 (0xFF55477E)
YUV	81.4560, 21.9602, 3.1081
Hunter-Lab	28.2988, 12.5305, -23.9427

Details

The CIELCh color $[34, 34.912, 303.446]$ is a dark color, and the websafe version is hex $\#333366$. A complement of this color would be $[51, 31.778, 117.510]$, and the grayscale version is $[35, 0.005, 296.813]$.

A 20% lighter version of the original color is $[54, 34.617, 303.100]$, and $[14, 35.396, 303.331]$ is the 20% darker color. If you saturate the color by 10%, you get $[30, 43.538, 304.443]$, and if you desaturate by 10%, it is $[38, 26.460, 302.523]$.

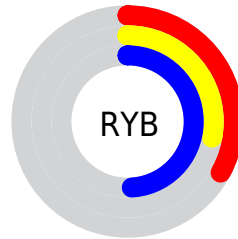
Distribution



Red (33%)

Green (28%)

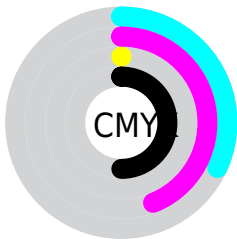
Blue (49%)



Red (33%)

Yellow (28%)

Blue (49%)

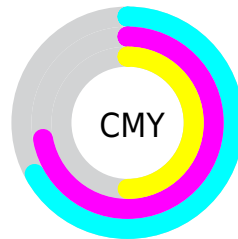


Cyan (32%)

Magenta (44%)

Yellow (0%)

Black (50%)



Cyan (67%)

Magenta (72%)

Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 34, 34.912, 303.446 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, 34.912, 303.446 by changing the saturation by 10% instead.


 34, 34.912,
303.446

 34, 34.912,
303.446

 100, 34.912,
303.446

 24, 34.912,
303.446

 54, 34.912,
303.446

 14, 34.912,
303.446

 64, 34.912,
303.446

 4, 34.912, 303.446

 74, 34.912,
303.446

 0, 34.912, 303.446

 84, 34.912,
303.446

 94, 34.912,
303.446

■ 34, 34.912,
303.446

■ 34, 34.912,
303.446

■ 30, 43.538,
304.443

■ 38, 26.460,
302.523

■ 26, 52.179,
305.471

■ 43, 18.256,
301.689

■ 22, 60.519,
306.450

■ 47, 10.324,
300.949

■ 19, 68.006,
307.248

■ 51, 2.666, 300.294

■ 16, 73.892,
307.703

■ 56, 4.725, 119.741

■ 15, 77.449,
308.056

■ 60, 11.862,
119.246

■ 64, 18.759,
118.819

■ 69, 25.430,
118.450

■ 73, 31.890,
118.131

Harmonies

Complementary

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



34, 34.912, 303.446



51, 31.778, 117.510

Rectangle

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



34, 34.912, 303.446



34, 34.912, 353.446



34, 34.912, 123.446



34, 34.912, 173.446

Sweetspot

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



34, 34.911, 303.446



60, 12.199, 300.931



45, 16.040, 229.111



30, 8.521, 301.062



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, 34.911, 303.446



39, 52.092, 304.406



37, 36.932, 319.076



25, 4.291, 300.648



15, 77.967, 308.048



0, 0.000, 0.000

Inverse Universe

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



38, 32.689, 335.479



46, 47.331, 336.238



49, 36.056, 135.086



25, 4.270, 333.056



28, 57.219, 341.156



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 34, 34.912, 303.446 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, 34.912, 303.446 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

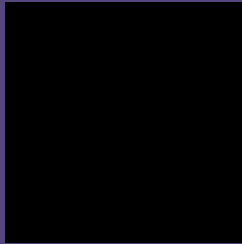
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 34, 34.912, 303.446

Background



This preview shows how black text looks on a background with the CIELCh color 34, 34.912, 303.446.



This preview shows how white text looks on a background with the CIELCh color 34, 34.912, 303.446.

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

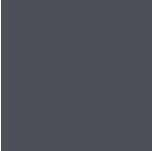
34, 34.912, 303.446

Protanopia

34, 34.614, 286.005

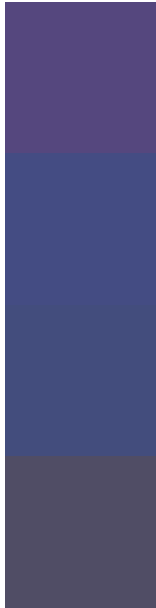
Deuteranopia

34, 28.080, 280.005



Tritanopia
34, 4.538, 275.088

Trichromacy



Original Color
34, 34.912, 303.446

Protanomaly
34, 34.432, 291.598

Deuteranomaly
34, 30.129, 288.981

Tritanomaly
34, 15.162, 297.105

Monochromacy



Original Color
34, 34.912, 303.446

Achromatopsia
35, 0.005, 296.813

Achromatomaly
34, 12.743, 301.232

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 34, 34.912, 303.446 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(85, 71, 126)` looks like.

```
.text, #text, p{  
    color:rgb(85, 71, 126)  
}
```

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(85, 71, 126) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(85, 71, 126) }
```

Border

The CSS property to change the border of an element to CIELCh 34, 34.912, 303.446 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(85, 71, 126) }
```

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

```
.border{ border-color:rgb(85, 71, 126) }
```

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

Here you see how a box with a 4 pixel `rgb(85, 71, 126)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(85, 71, 126); -webkit-box-  
shadow:4px 4px 4px 4px rgb(85, 71, 126);  
box-shadow:4px 4px 4px 4px rgb(85, 71,  
126) }
```

Background

The CSS property to change the background color of an element to CIELCh 34, 34.912, 303.446 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(85, 71, 126) }
```

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

```
.background{ background-color: rgb(85, 71,  
126) }
```

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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