

Converting Colors

CIELCh(34, 34.085, 301.766)

Have a look what the booklet for
CIELCh(34, 34.085, 301.766)
contains.

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Color

CIELCh(34, 34.151, 301.800)

Conversions

Conversions Part 1

Format	Color
Hex	53487E
RGB	83, 72, 126
RGB Percent	33%, 28%, 49%
CMY	0.6739, 0.7171, 0.5053
CMYK	0.34, 0.43, 0.00, 0.51
HSL	252°, 27%, 39%
HSV	252°, 43%, 49%
XYZ	9.6820, 8.0082, 20.8250
YIQ	81.4450, -10.7780, 19.1260

Conversions

Conversions Part 2

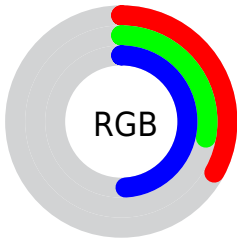
Format	Color
R_{YB}	83, 72, 126
Decimal	5458046
CIE Lab	34.00, 18.00, -29.02
CIE LCh	34, 34.151, 301.800
Yxy	8.0082, 0.2514, 0.2079
Android (android.graphics.Color)	4283648126 (0xFF53487E)
YUV	81.4450, 21.9656, 1.3637
Hunter-Lab	28.2988, 11.5479, -23.8221

Details

The CIELCh color $[34, 34.151, 301.800]$ is a dark color, and the websafe version is hex $\#333366$. A complement of this color would be $[51, 30.989, 115.372]$, and the grayscale version is $[35, 0.005, 296.813]$.

A 20% lighter version of the original color is $[54, 33.877, 301.491]$, and $[14, 34.670, 301.776]$ is the 20% darker color. If you saturate the color by 10%, you get $[30, 42.801, 302.936]$, and if you desaturate by 10%, it is $[38, 25.717, 300.764]$.

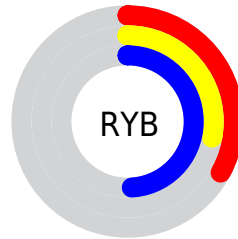
Distribution



Red (33%)

Green (28%)

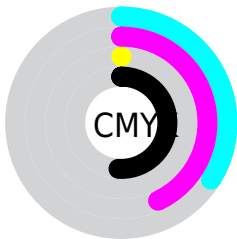
Blue (49%)



Red (33%)

Yellow (28%)

Blue (49%)

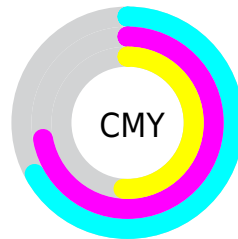


Cyan (34%)

Magenta (43%)

Yellow (0%)

Black (51%)



Cyan (67%)

Magenta (72%)

Yellow (51%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 34, 34.151, 301.800 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, 34.151, 301.800 by changing the saturation by 10% instead.

 34, 34.151,
301.800

 34, 34.151,
301.800

 100, 34.151,
301.800

 24, 34.151,
301.800

 54, 34.151,
301.800

 14, 34.151,
301.800

 64, 34.151,
301.800

 4, 34.151, 301.800

 74, 34.151,
301.800

 0, 34.151, 301.800

 84, 34.151,
301.800

 94, 34.151,
301.800

■ 34, 34.151,
301.800

■ 34, 34.151,
301.800

■ 30, 42.801,
302.936

■ 38, 25.717,
300.764

■ 26, 51.528,
304.134

■ 43, 17.557,
299.841

■ 22, 60.035,
305.312

■ 47, 9.684, 299.030

■ 18, 67.772,
306.332

■ 52, 2.095, 298.319

■ 16, 73.921,
307.004

■ 56, 5.223, 117.712

■ 14, 77.940,
307.523

■ 60, 12.286,
117.180

■ 65, 19.108,
116.720

■ 69, 25.705,
116.324

■ 73, 32.090,
115.981

Harmonies

Complementary

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



34, 34.151, 301.800



51, 30.989, 115.372

Rectangle

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



34, 34.151, 301.800



34, 34.151, 351.800



34, 34.151, 121.800



34, 34.151, 171.800

Sweetspot

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



34, 34.150, 301.800



60, 12.136, 299.067



46, 15.975, 221.847



30, 8.478, 299.211



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, 34.150, 301.800



39, 50.970, 302.862



37, 35.958, 317.482



24, 4.268, 298.756



14, 78.548, 307.515



0, 0.000, 0.000

Inverse Universe

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



38, 33.246, 333.371



46, 48.130, 334.022



49, 34.883, 133.683



25, 4.428, 331.176



28, 59.303, 338.010



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 34, 34.151, 301.800 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, 34.151, 301.800 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

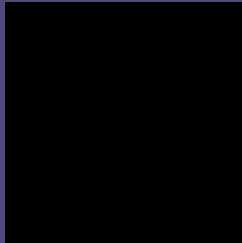
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 34, 34.151, 301.800

Background



This preview shows how black text looks on a background with the CIELCh color 34, 34.151, 301.800.



This preview shows how white text looks on a background with the CIELCh color 34, 34.151, 301.800.

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, 34.151, 301.800

Protanopia

34, 34.014, 285.683

Deuteranopia

34, 28.080, 280.005



Tritanopia
34, 4.448, 257.156

Trichromacy



Original Color
34, 34.151, 301.800

Protanomaly
34, 33.839, 290.919

Deuteranomaly
34, 30.129, 288.981

Tritanomaly
34, 14.447, 292.611

Monochromacy



Original Color
34, 34.151, 301.800

Achromatopsia
35, 0.005, 296.813

Achromatomaly
34, 12.685, 299.451

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 34, 34.151, 301.800 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(83, 72, 126)` looks like.

```
.text, #text, p{  
    color:rgb(83, 72, 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(83, 72, 126) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 72, 126) }
```

Border

The CSS property to change the border of an element to CIELCh 34, 34.151, 301.800 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(83, 72, 126) }
```

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

```
.border{ border-color:rgb(83, 72, 126) }
```

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

Here you see how a box with a 4 pixel rgb(83, 72, 126) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 72, 126); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 72, 126);  
box-shadow:4px 4px 4px 4px rgb(83, 72,  
126) }
```

Background

The CSS property to change the background color of an element to CIELCh 34, 34.151, 301.800 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 72, 126) }
```

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

```
.background{ background-color: rgb(83, 72,  
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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