

Converting Colors

CIELCh(34, 50.161, 303.792)

Have a look what the booklet for
CIELCh(34, 50.161, 303.792)
contains.

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Color

CIELCh(34, 50.161, 303.792)

Conversions

Conversions Part 1

Format	Color
Hex	554393
RGB	85, 67, 147
RGB Percent	33%, 26%, 58%
CMY	0.6676, 0.7381, 0.4245
CMYK	0.42, 0.54, 0.00, 0.42
HSL	253°, 37%, 42%
HSV	253°, 54%, 58%
XYZ	10.9667, 8.0082, 28.4720
YIQ	81.5020, -14.9520, 28.6960

Conversions

Conversions Part 2

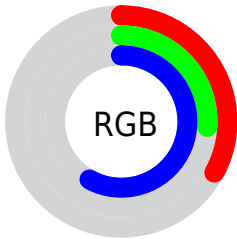
Format	Color
R_{YB}	85, 67, 147
Decimal	5587859
CIE _{Lab}	34.00, 27.90, -41.69
CIE _{LCh}	34, 50.161, 303.792
Yxy	8.0082, 0.2311, 0.1688
Android (android.graphics.Color)	4283777939 (0xFF554393)
YUV	81.5020, 32.2905, 3.0677
Hunter-Lab	28.2988, 19.6514, -39.8438

Details

The CIELCh color **34, 50.161, 303.792** is a dark color, and the websafe version is hex **663399**. A complement of this color would be **58, 43.989, 115.607**, and the grayscale version is **34, 0.005, 296.813**.

A 20% lighter version of the original color is **54, 50.104, 303.543**, and **14, 50.381, 303.673** is the 20% darker color. If you saturate the color by 10%, you get **29, 59.970, 304.936**, and if you desaturate by 10%, it is **39, 40.354, 302.685**.

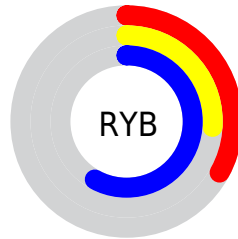
Distribution



Red (33%)

Green (26%)

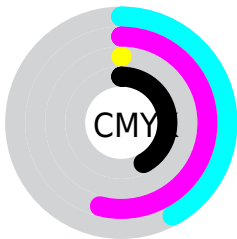
Blue (58%)



Red (33%)

Yellow (26%)

Blue (58%)

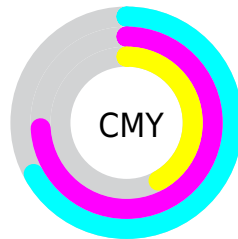


Cyan (42%)

Magenta (54%)

Yellow (0%)

Black (42%)



Cyan (67%)


Magenta (74%)


Yellow (42%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 34, 50.161, 303.792 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, 50.161, 303.792 by changing the saturation by 10% instead.


 34, 50.161,
303.792

 34, 50.161,
303.792

 100, 50.161,
303.792


 24, 50.161,
303.792

 54, 50.161,
303.792


 14, 50.161,
303.792

 64, 50.161,
303.792

 4, 50.161, 303.792

 74, 50.161,
303.792

 0, 50.161, 303.792

 84, 50.161,
303.792

 94, 50.161,
303.792

■ 34, 50.161,
303.792

■ 34, 50.161,
303.792

■ 29, 59.970,
304.936

■ 39, 40.354,
302.685

■ 25, 69.373,
306.021

■ 44, 30.753,
301.663

■ 22, 77.650,
306.890

■ 49, 21.446,
300.746

■ 19, 83.848,
307.355

■ 54, 12.460,
299.937

■ 18, 86.861,
307.618

■ 59, 3.796, 299.227

■ 64, 4.556, 118.622

■ 68, 12.614,
118.088

■ 73, 20.393,
117.629

■ 78, 27.913,
117.233

Harmonies

Complementary

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



34, 50.161, 303.792



58, 43.989, 115.607

Rectangle

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



34, 50.161, 303.792



34, 50.161, 353.792



34, 50.161, 123.792



34, 50.161, 173.792

Sweetspot

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



34, 50.160, 303.793



68, 17.130, 300.078



51, 21.601, 225.877



34, 11.696, 300.224



89, 0.011, 296.813



41, 0.006, 296.813

Same Dimension

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



34, 50.160, 303.793



38, 75.094, 305.146



39, 51.574, 318.431



29, 4.842, 299.551



16, 82.872, 307.662



0, 4.171, 298.944

Inverse Universe

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



41, 46.168, 335.109



49, 65.696, 336.058



55, 49.825, 133.498



29, 4.938, 331.946



30, 61.697, 339.366



1, 4.291, 331.406

Previews

White Background



This preview shows how the CIELCh color 34, 50.161, 303.792 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, 50.161, 303.792 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

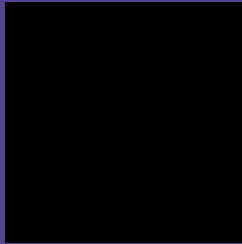
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 34, 50.161, 303.792

Background



This preview shows how black text looks on a background with the CIELCh color 34, 50.161, 303.792.



This preview shows how white text looks on a background with the CIELCh color 34, 50.161, 303.792.

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

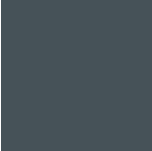
34, 50.161, 303.792

Protanopia

34, 50.811, 287.036

Deuteranopia

34, 40.007, 277.052



Tritanopia
34, 6.036, 237.605

Trichromacy



Original Color
34, 50.161, 303.792

Protanomaly
33, 50.676, 291.664

Deuteranomaly
33, 42.966, 285.654

Tritanomaly
33, 20.767, 292.662

Monochromacy



Original Color
34, 50.161, 303.792

Achromatopsia
34, 0.005, 296.813

Achromatomaly
34, 18.425, 300.325

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 34, 50.161, 303.792 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, 67, 147)` looks like.

```
.text, #text, p{  
    color:rgb(85, 67, 147)  
}
```

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, 67, 147) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(85, 67, 147) }
```

Border

The CSS property to change the border of an element to CIELCh 34, 50.161, 303.792 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, 67, 147) }
```

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

```
.border{ border-color:rgb(85, 67, 147) }
```

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

Here you see how a box with a 4 pixel `rgb(85, 67, 147)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(85, 67, 147); -webkit-box-  
shadow:4px 4px 4px 4px rgb(85, 67, 147);  
box-shadow:4px 4px 4px 4px rgb(85, 67,  
147) }
```

Background

The CSS property to change the background color of an element to CIELCh 34, 50.161, 303.792 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(85, 67, 147) }
```

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

```
.background{ background-color: rgb(85, 67,  
147) }
```

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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