

Converting Colors

CIELCh(34, 65.856, 298.659)

Have a look what the booklet for
CIELCh(34, 65.856, 298.659)
contains.

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Color

CIELCh(34, 65.586, 298.666)

Conversions

Conversions Part 1

Format	Color
Hex	3D43AD
RGB	61, 67, 173
RGB Percent	24%, 26%, 68%
CMY	0.7612, 0.7375, 0.3219
CMYK	0.65, 0.61, 0.00, 0.32
HSL	237°, 48%, 46%
HSV	237°, 65%, 68%
XYZ	11.4554, 8.0082, 40.4325
YIQ	77.2900, -37.6020, 31.6940

Conversions

Conversions Part 2

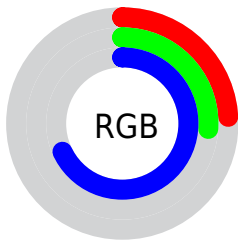
Format	Color
R_{YB}	61, 67, 173
Decimal	4015021
CIE _{Lab}	34.00, 31.46, -57.55
CIE _{LCh}	34, 65.586, 298.666
Yxy	8.0082, 0.1913, 0.1337
Android (android.graphics.Color)	4282205101 (0xFF3D43AD)
YUV	77.2900, 47.1850, -14.2863
Hunter-Lab	28.2988, 22.7339, -64.9027

Details

The CIELCh color **34, 65.586, 298.666** is a dark color, and the websafe version is hex **333399**. A complement of this color would be **67, 54.742, 101.623**, and the grayscale version is **33, 0.005, 296.813**.

A 20% lighter version of the original color is **54, 65.496, 298.802**, and **16, 64.814, 301.413** is the 20% darker color. If you saturate the color by 10%, you get **29, 76.613, 301.041**, and if you desaturate by 10%, it is **39, 54.476, 296.377**.

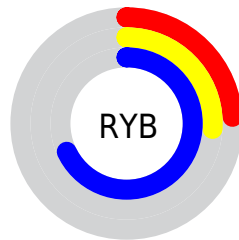
Distribution



Red (24%)

Green (26%)

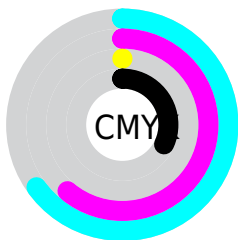
Blue (68%)



Red (24%)

Yellow (26%)

Blue (68%)

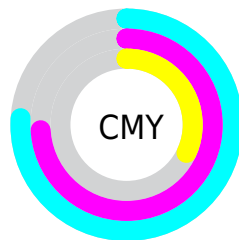


Cyan (65%)

Magenta (61%)

Yellow (0%)

Black (32%)



Cyan (76%)

Magenta (74%)

Yellow (32%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 34, 65.586, 298.666 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, 65.586, 298.666 by changing the saturation by 10% instead.

 34, 65.586,
298.666

 34, 65.586,
298.666

 100, 65.586,
298.666

 24, 65.586,
298.666

 54, 65.586,
298.666

 14, 65.586,
298.666

 64, 65.586,
298.666

 4, 65.586, 298.666

 74, 65.586,
298.666

 0, 65.586, 298.666

 84, 65.586,
298.666

 94, 65.586,
298.666

■ 34, 65.586,
298.666

■ 34, 65.586,
298.666

■ 29, 76.613,
301.041

■ 39, 54.476,
296.377

■ 25, 86.745,
303.260

■ 45, 43.645,
294.298

■ 22, 94.651,
305.009

■ 51, 33.213,
292.476

■ 21, 97.505,
305.588

■ 56, 23.195,
290.908

■ 62, 13.571,
289.570

■ 68, 4.311, 288.441

■ 74, 4.612, 107.433

■ 79, 13.223,
106.612

■ 85, 21.543,
105.898

Harmonies

Complementary

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



34, 65.586, 298.666



67, 54.742, 101.623

Rectangle

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



34, 65.586, 298.666



34, 65.586, 348.666



34, 65.586, 118.666



34, 65.586, 168.666

Sweetspot

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



34, 65.586, 298.667



76, 21.757, 290.153



65, 33.361, 189.431



38, 15.035, 290.529



95, 0.011, 296.813



47, 0.006, 296.813

Same Dimension

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



34, 65.586, 298.667



36, 98.943, 302.097



37, 68.556, 310.379



34, 5.159, 288.927



17, 87.614, 305.462



1, 10.850, 288.371

Inverse Universe

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



42, 50.854, 24.870



50, 76.087, 29.961



65, 61.069, 123.916



34, 3.822, 15.556



31, 68.047, 37.261



2, 7.824, 15.759

Previews

White Background



This preview shows how the CIE LCh color 34, 65.586, 298.666 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, 65.586, 298.666 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

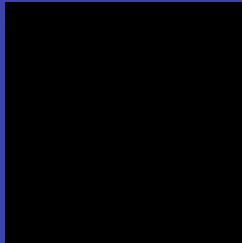
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 34, 65.586, 298.666

Background



This preview shows how black text looks on a background with the CIELCh color 34, 65.586, 298.666.



This preview shows how white text looks on a background with the CIELCh color 34, 65.586, 298.666.

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, 65.586, 298.666

Protanopia

34, 54.053, 286.218

Deuteranopia

34, 38.108, 273.052



Tritanopia
34, 22.243, 209.913

Trichromacy



Original Color
34, 65.586, 298.666

Protanomaly
33, 58.792, 290.525

Deuteranomaly
33, 47.445, 284.389

Tritanomaly
33, 30.151, 266.925

Monochromacy



Original Color
34, 65.586, 298.666

Achromatopsia
33, 0.005, 296.813

Achromatomaly
32, 24.660, 292.746

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 34, 65.586, 298.666 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(61, 67, 173)` looks like.

```
.text, #text, p{  
    color:rgb(61, 67, 173)  
}
```

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(61, 67, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(61, 67, 173) }
```

Border

The CSS property to change the border of an element to CIELCh 34, 65.586, 298.666 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(61, 67, 173) }
```

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

```
.border{ border-color:rgb(61, 67, 173) }
```

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

Here you see how a box with a 4 pixel rgb(61, 67, 173) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(61, 67, 173); -webkit-box-  
shadow:4px 4px 4px 4px rgb(61, 67, 173);  
box-shadow:4px 4px 4px 4px rgb(61, 67,  
173) }
```

Background

The CSS property to change the background color of an element to CIELCh 34, 65.586, 298.666 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(61, 67, 173) }
```

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

```
.background{ background-color: rgb(61, 67,  
173) }
```

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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