

Converting Colors

CIELCh(34, 69.565, 299.735)

Have a look what the booklet for
CIELCh(34, 69.565, 299.735)
contains.

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Color

CIELCh(34, 69.729, 299.758)

Conversions

Conversions Part 1

Format	Color
Hex	3E41B2
RGB	62, 65, 178
RGB Percent	24%, 25%, 70%
CMY	0.7571, 0.7453, 0.3022
CMYK	0.65, 0.63, 0.00, 0.30
HSL	238°, 48%, 47%
HSV	238°, 65%, 70%
XYZ	11.8989, 8.0082, 43.0053
YIQ	76.9850, -38.0610, 34.5070

Conversions

Conversions Part 2

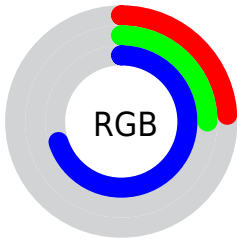
Format	Color
R_{YB}	62, 65, 178
Decimal	4080050
CIE _{Lab}	34.00, 34.61, -60.53
CIE _{LCh}	34, 69.729, 299.758
Yxy	8.0082, 0.1891, 0.1273
Android (android.graphics.Color)	4282270130 (0xFF3E41B2)
YUV	76.9850, 49.8004, -13.1418
Hunter-Lab	28.2988, 25.5317, -70.2930

Details

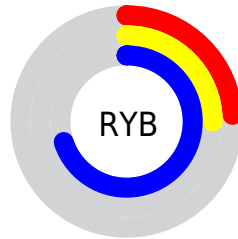
The CIELCh color **34, 69.729, 299.758** is a dark color, and the websafe version is hex **333399**. A complement of this color would be **70, 57.563, 103.018**, and the grayscale version is **33, 0.005, 296.813**.

A 20% lighter version of the original color is **54, 70.030, 299.730**, and **16, 68.254, 302.277** is the 20% darker color. If you saturate the color by 10%, you get **29, 81.157, 302.026**, and if you desaturate by 10%, it is **40, 58.037, 297.523**.

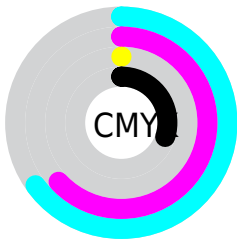
Distribution



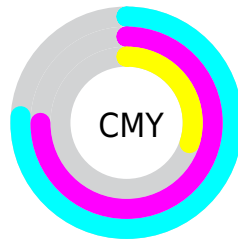
- Red (24%)
- Green (25%)
- Blue (70%)



- Red (24%)
- Yellow (25%)
- Blue (70%)



- Cyan (65%)
- Magenta (63%)
- Yellow (0%)
- Black (30%)





- Cyan (76%)
- Magenta (75%)
- Yellow (30%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 34, 69.729, 299.758 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, 69.729, 299.758 by changing the saturation by 10% instead.


 34, 69.729,
299.758

 34, 69.729,
299.758

 100, 69.729,
299.758


 24, 69.729,
299.758

 54, 69.729,
299.758

 14, 69.729,
299.758

 64, 69.729,
299.758

 4, 69.729, 299.758

 74, 69.729,
299.758

 0, 69.729, 299.758

 84, 69.729,
299.758

 94, 69.729,
299.758

■ 34, 69.729,
299.758

■ 34, 69.729,
299.758

■ 29, 81.157,
302.026

■ 40, 58.037,
297.523

■ 25, 91.280,
304.057

■ 45, 46.574,
295.471

■ 22, 98.563,
305.520

■ 51, 35.518,
293.664

■ 21, 100.941,
305.960

■ 57, 24.907,
292.107

■ 63, 14.725,
290.780

■ 69, 4.943, 289.659

■ 75, 4.471, 108.668

■ 81, 13.542,
107.858

■ 87, 22.297,
107.157

Harmonies

Complementary

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



34, 69.729, 299.758



70, 57.563, 103.018

Rectangle

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



34, 69.729, 299.758



34, 69.729, 349.758



34, 69.729, 119.758



34, 69.729, 169.758

Sweetspot

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



34, 69.729, 299.759



77, 24.297, 291.437



66, 33.574, 193.021



39, 16.804, 291.815



96, 0.011, 296.813



49, 0.007, 296.813

Same Dimension

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



34, 69.729, 299.759



37, 104.419, 302.918



38, 70.576, 311.326



35, 5.442, 290.097



17, 90.092, 305.894



1, 13.048, 289.371

Inverse Universe

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



43, 53.057, 26.983



52, 79.439, 31.811



67, 63.397, 125.150



35, 3.910, 17.806



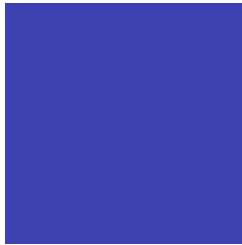
31, 69.962, 38.483



2, 9.163, 17.733

Previews

White Background



This preview shows how the CIE LCh color 34, 69.729, 299.758 looks on a white background.

Color Contrast Check

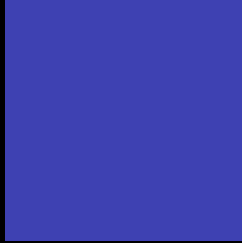
Large Text (above 18pt) WCAG AA ✓ Pass

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, 69.729, 299.758 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

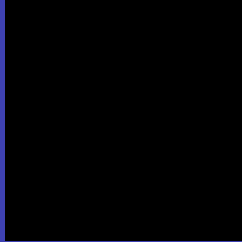
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 34, 69.729, 299.758

Background



This preview shows how black text looks on a background with the CIELCh color 34, 69.729, 299.758.



This preview shows how white text looks on a background with the CIELCh color 34, 69.729, 299.758.

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, 69.729, 299.758

Protanopia

34, 54.053, 286.218

Deuteranopia

34, 38.108, 273.052



Tritanopia
34, 22.285, 208.177

Trichromacy



Original Color
34, 69.729, 299.758

Protanomaly
34, 59.361, 290.810

Deuteranomaly
33, 49.229, 285.763

Tritanomaly
33, 30.617, 267.942

Monochromacy



Original Color
34, 69.729, 299.758

Achromatopsia
33, 0.005, 296.813

Achromatomaly
33, 25.904, 293.782

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 34, 69.729, 299.758 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(62, 65, 178)` looks like.

```
.text, #text, p{  
    color:rgb(62, 65, 178)  
}
```

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(62, 65, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(62, 65, 178) }
```

Border

The CSS property to change the border of an element to CIELCh 34, 69.729, 299.758 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(62, 65, 178) }
```

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

```
.border{ border-color:rgb(62, 65, 178) }
```

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

Here you see how a box with a 4 pixel `rgb(62, 65, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(62, 65, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(62, 65, 178);  
box-shadow:4px 4px 4px 4px rgb(62, 65,  
178) }
```

Background

The CSS property to change the background color of an element to CIELCh 34, 69.729, 299.758 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(62, 65, 178) }
```

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

```
.background{ background-color: rgb(62, 65,  
178) }
```

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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