

Converting Colors

CIELCh(35, 64.872, 299.587)

Have a look what the booklet for
CIELCh(35, 64.872, 299.587)
contains.

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Color

CIELCh(35, 64.680, 299.516)

Conversions

Conversions Part 1

Format	Color
Hex	4545AE
RGB	69, 69, 174
RGB Percent	27%, 27%, 68%
CMY	0.7313, 0.7308, 0.3193
CMYK	0.61, 0.60, 0.00, 0.32
HSL	240°, 43%, 47%
HSV	240°, 61%, 68%
XYZ	12.1239, 8.4984, 40.8242
YIQ	80.9700, -33.7050, 32.6550

Conversions

Conversions Part 2

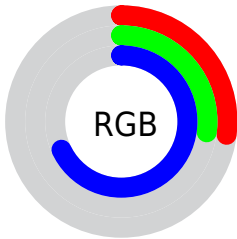
Format	Color
R_{YB}	69, 69, 174
Decimal	4539822
CIE _{Lab}	35.00, 31.87, -56.29
CIE _{LCh}	35, 64.680, 299.516
Yxy	8.4984, 0.1973, 0.1383
Android (android.graphics.Color)	4282729902 (0xFF4545AE)
YUV	80.9700, 45.8638, -10.4977
Hunter-Lab	29.1520, 23.2198, -62.6227

Details

The CIELCh color **35, 64.680, 299.516** is a dark color, and the websafe version is hex **333399**. A complement of this color would be **69, 54.144, 104.603**, and the grayscale version is **34, 0.005, 296.813**.

A 20% lighter version of the original color is **55, 64.779, 299.624**, and **16, 63.540, 300.792** is the 20% darker color. If you saturate the color by 10%, you get **30, 76.283, 301.710**, and if you desaturate by 10%, it is **41, 53.004, 297.410**.

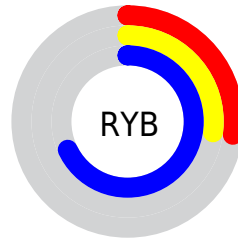
Distribution



Red (27%)

Green (27%)

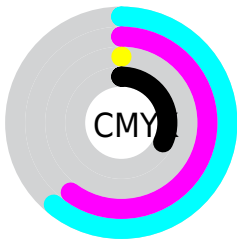
Blue (68%)



Red (27%)

Yellow (27%)

Blue (68%)

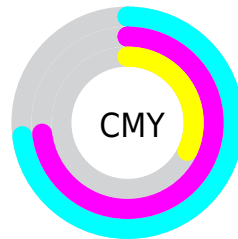


Cyan (61%)

Magenta (60%)

Yellow (0%)

Black (32%)



Cyan (73%)


Magenta (73%)


Yellow (32%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 35, 64.680, 299.516 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 35, 64.680, 299.516 by changing the saturation by 10% instead.


 35, 64.680,
299.516


 35, 64.680,
299.516

 100, 64.680,
299.516


 25, 64.680,
299.516

 55, 64.680,
299.516


 15, 64.680,
299.516


 65, 64.680,
299.516

 5, 64.680, 299.516

 75, 64.680,
299.516

 0, 64.680, 299.516

 85, 64.680,
299.516

 95, 64.680,
299.516

■ 35, 64.680,
299.516

■ 35, 64.680,
299.516

■ 30, 76.283,
301.710

■ 41, 53.004,
297.410

■ 25, 86.940,
303.756

■ 47, 41.637,
295.509

■ 22, 95.181,
305.326

■ 53, 30.703,
293.849

■ 20, 100.238,
306.274

■ 59, 20.217,
292.427

■ 65, 10.160,
291.220

■ 71, 0.499, 290.303

■ 77, 8.795, 109.305

■ 82, 17.749,
108.564

■ 88, 26.387,
107.927

Harmonies

Complementary

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



35, 64.680, 299.516



69, 54.144, 104.603

Rectangle

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



35, 64.680, 299.516



35, 64.680, 349.516



35, 64.680, 119.516



35, 64.680, 169.516

Sweetspot

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



35, 64.680, 299.517



76, 21.759, 292.143



65, 31.215, 195.058



38, 15.188, 292.509



95, 0.011, 296.813



47, 0.006, 296.813

Same Dimension

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



35, 64.680, 299.517



37, 97.458, 302.508



40, 64.381, 311.589



33, 5.451, 291.086



17, 90.219, 306.271



1, 11.337, 290.144

Inverse Universe

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



44, 48.416, 27.354



51, 73.319, 31.506



66, 58.587, 125.847



34, 3.818, 19.826



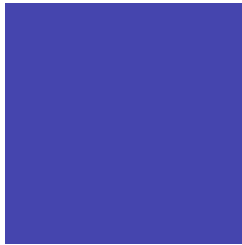
31, 69.944, 39.406



2, 7.802, 19.335

Previews

White Background



This preview shows how the CIE LCh color 35, 64.680, 299.516 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 35, 64.680, 299.516 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

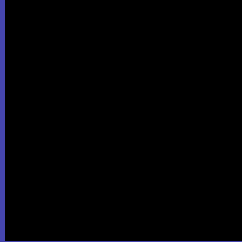
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 35, 64.680, 299.516

Background



This preview shows how black text looks on a background with the CIELCh color 35, 64.680, 299.516.



This preview shows how white text looks on a background with the CIELCh color 35, 64.680, 299.516.

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

35, 64.680, 299.516

Protanopia

35, 55.639, 286.524

Deuteranopia

35, 39.699, 274.066



Tritanopia
35, 18.813, 210.711

Trichromacy



Original Color
35, 64.680, 299.516

Protanomaly
34, 59.170, 290.468

Deuteranomaly
34, 48.497, 285.068

Tritanomaly
34, 28.307, 272.417

Monochromacy



Original Color
35, 64.680, 299.516

Achromatopsia
34, 0.005, 296.813

Achromatomaly
34, 23.829, 293.252

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 35, 64.680, 299.516 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(69, 69, 174)` looks like.

```
.text, #text, p{  
    color:rgb(69, 69, 174)  
}
```

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(69, 69, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(69, 69, 174) }
```

Border

The CSS property to change the border of an element to CIELCh 35, 64.680, 299.516 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(69, 69, 174) }
```

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

```
.border{ border-color:rgb(69, 69, 174) }
```

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

Here you see how a box with a 4 pixel `rgb(69, 69, 174)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(69, 69, 174); -webkit-box-  
shadow:4px 4px 4px 4px rgb(69, 69, 174);  
box-shadow:4px 4px 4px 4px rgb(69, 69,  
174) }
```

Background

The CSS property to change the background color of an element to CIELCh 35, 64.680, 299.516 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(69, 69, 174) }
```

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

```
.background{ background-color: rgb(69, 69,  
174) }
```

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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