

Converting Colors

CIELCh(35, 60.327, 300.336)

Have a look what the booklet for
CIELCh(35, 60.327, 300.336)
contains.

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Color

CIELCh(35, 60.542, 300.428)

Conversions

Conversions Part 1

Format	Color
Hex	4B45A7
RGB	75, 69, 167
RGB Percent	29%, 27%, 65%
CMY	0.7069, 0.7302, 0.3460
CMYK	0.55, 0.59, 0.00, 0.35
HSL	244°, 42%, 46%
HSV	244°, 59%, 65%
XYZ	11.9508, 8.4984, 37.4545
YIQ	81.9660, -27.8820, 31.7500

Conversions

Conversions Part 2

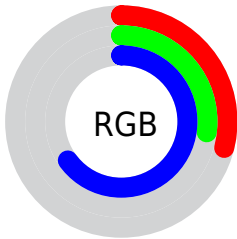
Format	Color
R_{YB}	75, 69, 167
Decimal	4933031
CIE Lab	35.00, 30.66, -52.20
CIE LCh	35, 60.542, 300.428
Yxy	8.4984, 0.2064, 0.1468
Android (android.graphics.Color)	4283123111 (0xFF4B45A7)
YUV	81.9660, 41.9218, -6.1092
Hunter-Lab	29.1520, 22.1596, -55.7694

Details

The CIELCh color **35, 60.542, 300.428** is a dark color, and the websafe version is hex **333399**. A complement of this color would be **66, 51.228, 107.742**, and the grayscale version is **35, 0.005, 296.813**.

A 20% lighter version of the original color is **55, 60.313, 300.249**, and **15, 60.734, 300.522** is the 20% darker color. If you saturate the color by 10%, you get **30, 71.722, 302.294**, and if you desaturate by 10%, it is **40, 49.346, 298.647**.

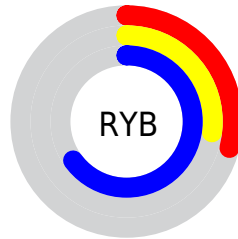
Distribution



 Red (29%)

 Green (27%)

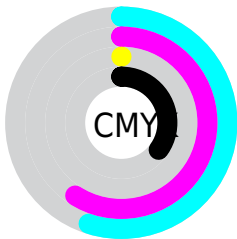
 Blue (65%)




 Red (29%)

 Yellow (27%)

 Blue (65%)

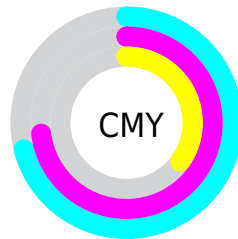



 Cyan (55%)


 Magenta (59%)

 Yellow (0%)

 Black (35%)



 Cyan (71%)


 Magenta (73%)

 Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 35, 60.542, 300.428 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, 60.542, 300.428 by changing the saturation by 10% instead.


 35, 60.542,
300.428


 35, 60.542,
300.428

 100, 60.542,
300.428


 25, 60.542,
300.428

 55, 60.542,
300.428


 15, 60.542,
300.428


 65, 60.542,
300.428

 5, 60.542, 300.428

 75, 60.542,
300.428

 0, 60.542, 300.428

 85, 60.542,
300.428

 95, 60.542,
300.428

■ 35, 60.542,
300.428

■ 35, 60.542,
300.428

■ 30, 71.722,
302.294

■ 40, 49.346,
298.647

■ 25, 82.191,
304.064

■ 46, 38.444,
297.037

■ 22, 90.721,
305.465

■ 52, 27.940,
295.624

■ 20, 96.382,
306.365

■ 58, 17.853,
294.405

■ 19, 97.044,
306.490

■ 63, 8.168, 293.362

■ 69, 1.140, 112.433

■ 75, 10.098,
111.699

■ 80, 18.731,
111.047

■ 86, 27.061,
110.487

Harmonies

Complementary

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



35, 60.542, 300.428



66, 51.228, 107.742

Rectangle

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



35, 60.542, 300.428



35, 60.542, 350.428



35, 60.542, 120.428



35, 60.542, 170.428

Sweetspot

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



35, 60.542, 300.429



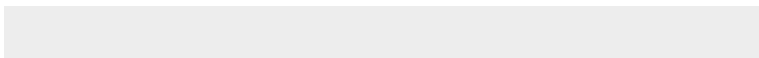
74, 21.203, 294.358



62, 27.935, 202.788



37, 14.936, 294.681



94, 0.011, 296.813



46, 0.006, 296.813

Same Dimension

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



35, 60.542, 300.429



38, 90.541, 302.760



40, 60.681, 313.476



33, 5.331, 293.415



16, 88.810, 306.522



1, 9.570, 292.236

Inverse Universe

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



46, 60.803, 329.265



55, 85.195, 329.813



63, 56.308, 128.214



33, 6.169, 326.606



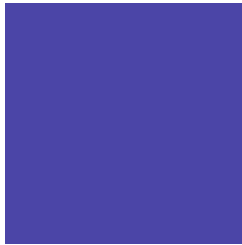
34, 73.470, 330.760



2, 11.016, 326.798

Previews

White Background



This preview shows how the CIE LCh color 35, 60.542, 300.428 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 CIELCh color 35, 60.542, 300.428 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

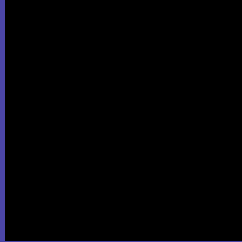
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 35, 60.542, 300.428

Background



This preview shows how black text looks on a background with the CIELCh color 35, 60.542, 300.428.



This preview shows how white text looks on a background with the CIELCh color 35, 60.542, 300.428.

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, 60.542, 300.428

Protanopia

35, 55.639, 286.524

Deuteranopia

35, 40.237, 274.611



Tritanopia
35, 14.375, 215.562

Trichromacy



Original Color
35, 60.542, 300.428

Protanomaly
34, 57.980, 290.238

Deuteranomaly
34, 47.879, 285.006

Tritanomaly
34, 25.693, 277.755

Monochromacy



Original Color
35, 60.542, 300.428

Achromatopsia
35, 0.005, 296.813

Achromatomaly
34, 22.607, 295.716

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 35, 60.542, 300.428 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(75, 69, 167)` looks like.

```
.text, #text, p{  
    color:rgb(75, 69, 167)  
}
```

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(75, 69, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(75, 69, 167) }
```

Border

The CSS property to change the border of an element to CIELCh 35, 60.542, 300.428 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(75, 69, 167) }
```

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

```
.border{ border-color:rgb(75, 69, 167) }
```

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

Here you see how a box with a 4 pixel `rgb(75, 69, 167)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(75, 69, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(75, 69, 167);  
box-shadow:4px 4px 4px 4px rgb(75, 69,  
167) }
```

Background

The CSS property to change the background color of an element to CIELCh 35, 60.542, 300.428 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(75, 69, 167) }
```

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

```
.background{ background-color: rgb(75, 69,  
167) }
```

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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