

Converting Colors

CIELCh(35, 65.053, 302.983)

Have a look what the booklet for
CIELCh(35, 65.053, 302.983)
contains.

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Color

CIELCh(35, 65.347, 303.002)

Conversions

Conversions Part 1

Format	Color
Hex	5141AB
RGB	81, 65, 171
RGB Percent	32%, 25%, 67%
CMY	0.6817, 0.7446, 0.3288
CMYK	0.53, 0.62, 0.00, 0.33
HSL	249°, 45%, 46%
HSV	249°, 62%, 67%
XYZ	12.6705, 8.4984, 39.5782
YIQ	81.8680, -24.4900, 36.3580

Conversions

Conversions Part 2

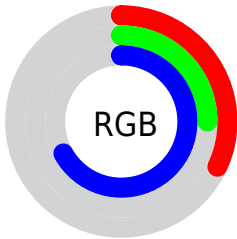
Format	Color
R_{YB}	81, 65, 171
Decimal	5325227
CIE _{Lab}	35.00, 35.59, -54.80
CIE _{LCh}	35, 65.347, 303.002
Yxy	8.4984, 0.2086, 0.1399
Android (android.graphics.Color)	4283515307 (0xFF5141AB)
YUV	81.8680, 43.9421, -0.7612
Hunter-Lab	29.1520, 26.5664, -60.0887

Details

The CIELCh color **35, 65.347, 303.002** is a dark color, and the websafe version is hex **333399**. A complement of this color would be **67, 55.121, 111.863**, and the grayscale version is **35, 0.005, 296.813**.

A 20% lighter version of the original color is **55, 65.063, 302.843**, and **15, 65.779, 303.100** is the 20% darker color. If you saturate the color by 10%, you get **30, 76.378, 304.430**, and if you desaturate by 10%, it is **40, 54.038, 301.570**.

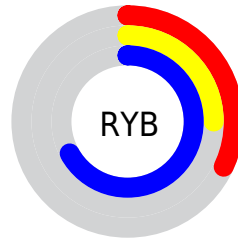
Distribution



Red (32%)

Green (25%)

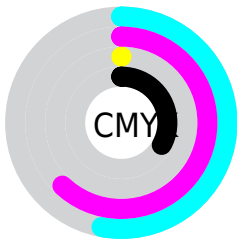
Blue (67%)



Red (32%)

Yellow (25%)

Blue (67%)

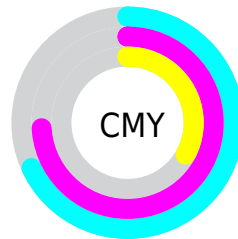


Cyan (53%)

Magenta (62%)

Yellow (0%)

Black (33%)



Cyan (68%)


Magenta (74%)


Yellow (33%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 35, 65.347, 303.002 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, 65.347, 303.002 by changing the saturation by 10% instead.


 35, 65.347,
303.002


 35, 65.347,
303.002

 100, 65.347,
303.002


 25, 65.347,
303.002

 55, 65.347,
303.002


 15, 65.347,
303.002


 65, 65.347,
303.002

 5, 65.347, 303.002

 75, 65.347,
303.002

 0, 65.347, 303.002

 85, 65.347,
303.002

 95, 65.347,
303.002

■ 35, 65.347,
303.002

■ 35, 65.347,
303.002

■ 30, 76.378,
304.430

■ 40, 54.038,
301.570

■ 26, 86.315,
305.678

■ 46, 42.872,
300.229

■ 23, 93.915,
306.507

■ 52, 32.031,
299.023

■ 21, 98.250,
306.927

■ 57, 21.578,
297.963

■ 63, 11.522,
297.042

■ 69, 1.848, 296.250

■ 75, 7.464, 115.562

■ 80, 16.439,
114.975

■ 86, 25.097,
114.471

Harmonies

Complementary

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



35, 65.347, 303.002



67, 55.121, 111.863

Rectangle

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



35, 65.347, 303.002



35, 65.347, 353.002



35, 65.347, 123.002



35, 65.347, 173.002

Sweetspot

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



35, 65.347, 303.003



75, 22.955, 297.709



60, 27.187, 216.837



38, 16.012, 297.980



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, 65.347, 303.003



38, 96.955, 304.881



41, 65.429, 316.596



34, 5.492, 296.821



17, 89.277, 306.986



1, 11.401, 295.019

Inverse Universe

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



45, 60.930, 332.698



55, 84.368, 333.556



64, 62.030, 131.242



34, 5.937, 329.403



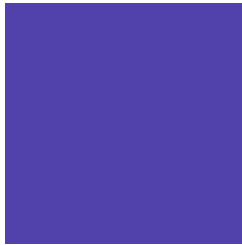
34, 69.397, 335.199



2, 11.957, 330.900

Previews

White Background



This preview shows how the CIE LCh color 35, 65.347, 303.002 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, 65.347, 303.002 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

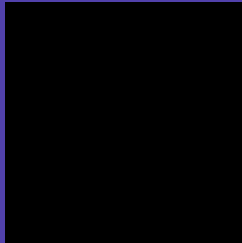
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 35, 65.347, 303.002

Background



This preview shows how black text looks on a background with the CIELCh color 35, 65.347, 303.002.



This preview shows how white text looks on a background with the CIELCh color 35, 65.347, 303.002.

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, 65.347, 303.002

Protanopia

35, 55.639, 286.524

Deuteranopia

35, 40.237, 274.611



Tritanopia
35, 12.110, 219.333

Trichromacy



Original Color
35, 65.347, 303.002

Protanomaly
34, 59.181, 291.196

Deuteranomaly
34, 49.042, 286.330

Tritanomaly
34, 27.100, 284.913

Monochromacy



Original Color
35, 65.347, 303.002

Achromatopsia
35, 0.005, 296.813

Achromatomaly
34, 23.983, 299.262

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 35, 65.347, 303.002 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(81, 65, 171)` looks like.

```
.text, #text, p{  
    color:rgb(81, 65, 171)  
}
```

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(81, 65, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(81, 65, 171) }
```

Border

The CSS property to change the border of an element to CIELCh 35, 65.347, 303.002 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(81, 65, 171) }
```

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

```
.border{ border-color:rgb(81, 65, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(81, 65, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(81, 65, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(81, 65, 171);  
box-shadow:4px 4px 4px 4px rgb(81, 65,  
171) }
```

Background

The CSS property to change the background color of an element to CIELCh 35, 65.347, 303.002 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(81, 65, 171) }
```

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

```
.background{ background-color: rgb(81, 65,  
171) }
```

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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