

Converting Colors

CIELCh(35, 80.641, 305.252)

Have a look what the booklet for
CIELCh(35, 80.641, 305.252)
contains.

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Color

CIELCh(35, 80.641, 305.252)

Conversions

Conversions Part 1

Format	Color
Hex	5439BE
RGB	84, 57, 190
RGB Percent	33%, 22%, 75%
CMY	0.6713, 0.7770, 0.2556
CMYK	0.56, 0.70, 0.00, 0.26
HSL	252°, 54%, 48%
HSV	252°, 70%, 74%
XYZ	14.3711, 8.4984, 49.5000
YIQ	80.2350, -26.6010, 47.0870

Conversions

Conversions Part 2

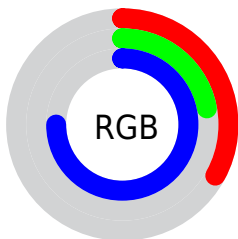
Format	Color
R_{YB}	84, 57, 190
Decimal	5519806
CIE _{Lab}	35.00, 46.54, -65.85
CIE _{LCh}	35, 80.641, 305.252
Y _{xy}	8.4984, 0.1986, 0.1174
Android (android.graphics.Color)	4283709886 (0xFF5439BE)
YUV	80.2350, 54.1141, 3.3019
Hunter-Lab	29.1520, 36.9797, -80.2679

Details

The CIELCh color **35, 80.641, 305.252** is a dark color, and the websafe version is hex **6633CC**. A complement of this color would be **73, 66.511, 114.001**, and the grayscale version is **34, 0.005, 296.813**.

A 20% lighter version of the original color is **55, 80.700, 305.307**, and **15, 80.369, 305.254** is the 20% darker color. If you saturate the color by 10%, you get **30, 91.470, 306.316**, and if you desaturate by 10%, it is **40, 68.732, 304.026**.

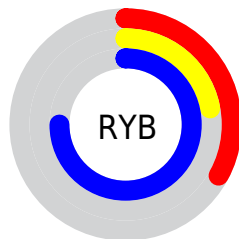
Distribution



Red (33%)

Green (22%)

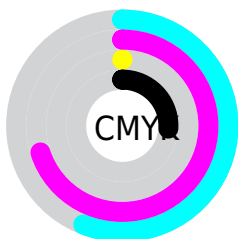
Blue (75%)



Red (33%)

Yellow (22%)

Blue (75%)

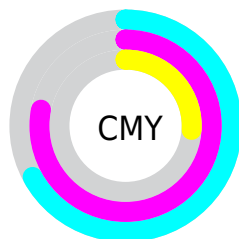


Cyan (56%)

Magenta (70%)

Yellow (0%)

Black (26%)



Cyan (67%)


Magenta (78%)


Yellow (26%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 35, 80.641, 305.252 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, 80.641, 305.252 by changing the saturation by 10% instead.


 35, 80.641,
305.252


 35, 80.641,
305.252

 100, 80.641,
305.252


 25, 80.641,
305.252

 55, 80.641,
305.252


 15, 80.641,
305.252


 65, 80.641,
305.252

 5, 80.641, 305.252

 75, 80.641,
305.252

 0, 80.641, 305.252

 85, 80.641,
305.252

 95, 80.641,
305.252

■ 35, 80.641,
305.252

■ 35, 80.641,
305.252

■ 30, 91.470,
306.316

■ 40, 68.732,
304.026

■ 27, 99.988,
307.003

■ 46, 56.542,
302.786

■ 24, 105.554,
307.269

■ 52, 44.493,
301.619

■ 58, 32.774,
300.562

■ 65, 21.457,
299.627

■ 71, 10.556,
298.810

■ 77, 0.061, 297.907

■ 83, 10.049,
117.496

■ 89, 19.795,
116.971

Harmonies

Complementary

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



35, 80.641, 305.252



73, 66.511, 114.001

Rectangle

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



35, 80.641, 305.252



35, 80.641, 355.252



35, 80.641, 125.252



35, 80.641, 175.252

Sweetspot

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



35, 80.641, 305.253



81, 27.932, 299.741



62, 31.053, 226.383



41, 19.161, 299.994



99, 0.012, 296.813



52, 0.007, 296.813

Same Dimension

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



35, 80.641, 305.253



38, 117.576, 306.743



43, 79.053, 318.249



37, 5.916, 298.757



19, 92.064, 307.364



1, 17.552, 296.272

Inverse Universe

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



48, 69.738, 335.483



58, 93.848, 336.827



69, 75.692, 132.360



37, 6.139, 331.175



36, 69.211, 338.181



3, 17.577, 334.359

Previews

White Background



This preview shows how the CIE LCh color 35, 80.641, 305.252 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, 80.641, 305.252 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

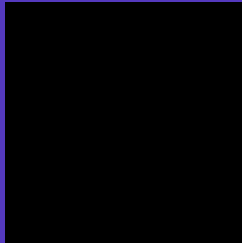
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 35, 80.641, 305.252

Background



This preview shows how black text looks on a background with the CIELCh color 35, 80.641, 305.252.



This preview shows how white text looks on a background with the CIELCh color 35, 80.641, 305.252.

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, 80.641, 305.252

Protanopia

35, 55.065, 286.249

Deuteranopia

35, 39.164, 273.506



Tritanopia
35, 14.375, 215.562

Trichromacy



Original Color
35, 80.641, 305.252



Protanomaly
34, 64.659, 293.493



Deuteranomaly
33, 54.510, 289.526



Tritanomaly
34, 32.705, 287.436

Monochromacy



Original Color
35, 80.641, 305.252



Achromatopsia
34, 0.005, 296.813



Achromatomaly
33, 30.440, 300.962

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 35, 80.641, 305.252 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(84, 57, 190)` looks like.

```
.text, #text, p{  
    color:rgb(84, 57, 190)  
}
```

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(84, 57, 190) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(84, 57, 190) }
```

Border

The CSS property to change the border of an element to CIELCh 35, 80.641, 305.252 is called "border". The border property can be set on classes, ids or directly on the HTML element.

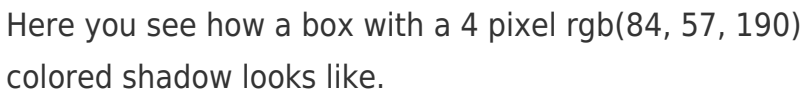
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(84, 57, 190) }
```

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

```
.border{ border-color:rgb(84, 57, 190) }
```

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



Here you see how a box with a 4 pixel `rgb(84, 57, 190)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(84, 57, 190); -webkit-box-  
shadow:4px 4px 4px 4px rgb(84, 57, 190);  
box-shadow:4px 4px 4px 4px rgb(84, 57,  
190) }
```

Background

The CSS property to change the background color of an element to CIELCh 35, 80.641, 305.252 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(84, 57, 190) }
```

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

```
.background{ background-color: rgb(84, 57,  
190) }
```

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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