

Converting Colors

CIELCh(35, 70.353, 309.052)

Have a look what the booklet for
CIELCh(35, 70.353, 309.052)
contains.

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Color

CIELCh(35, 70.529, 309.157)

Conversions

Conversions Part 1

Format	Color
Hex	6438AB
RGB	100, 56, 171
RGB Percent	39%, 22%, 67%
CMY	0.6074, 0.7800, 0.3290
CMYK	0.41, 0.67, 0.00, 0.33
HSL	263°, 51%, 45%
HSV	263°, 67%, 67%
XYZ	14.0485, 8.4984, 39.4836
YIQ	82.2660, -10.6910, 45.0930

Conversions

Conversions Part 2

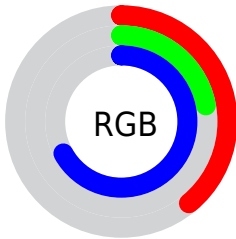
Format	Color
R_{YB}	100, 56, 171
Decimal	6568107
CIE _{Lab}	35.00, 44.54, -54.69
CIE _{LCh}	35, 70.529, 309.157
Yxy	8.4984, 0.2265, 0.1370
Android (android.graphics.Color)	4284758187 (0xFF6438AB)
YUV	82.2660, 43.7459, 15.5527
Hunter-Lab	29.1520, 35.0041, -59.8962

Details

The CIELCh color $35, 70.529, 309.157$ is a dark color, and the websafe version is hex 663399 . A complement of this color would be $65, 61.604, 121.912$, and the grayscale version is $35, 0.005, 296.813$.

A 20% lighter version of the original color is $55, 70.351, 309.195$, and $15, 70.734, 309.171$ is the 20% darker color. If you saturate the color by 10%, you get $31, 80.105, 309.653$, and if you desaturate by 10%, it is $40, 60.027, 308.505$.

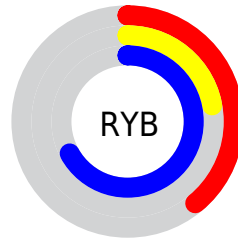
Distribution



Red (39%)

Green (22%)

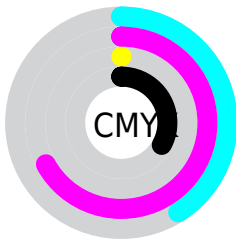
Blue (67%)



Red (39%)

Yellow (22%)

Blue (67%)

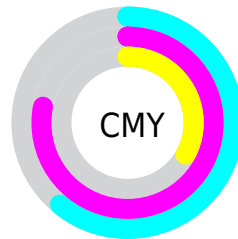


Cyan (41%)

Magenta (67%)

Yellow (0%)

Black (33%)



Cyan (61%)


Magenta (78%)


Yellow (33%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 35, 70.529, 309.157 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, 70.529, 309.157 by changing the saturation by 10% instead.


 35, 70.529,
309.157


 35, 70.529,
309.157

 100, 70.529,
309.157


 25, 70.529,
309.157

 55, 70.529,
309.157


 15, 70.529,
309.157


 65, 70.529,
309.157

 5, 70.529, 309.157

 75, 70.529,
309.157

 0, 70.529, 309.157

 85, 70.529,
309.157

 95, 70.529,
309.157

35, 70.529,
309.157

35, 70.529,
309.157

31, 80.105,
309.653

40, 60.027,
308.505

27, 87.949,
309.856

45, 49.170,
307.792

25, 93.379,
309.667

50, 38.303,
307.081

24, 94.768,
309.624

55, 27.613,
306.407

61, 17.197,
305.787

66, 7.094, 305.225

72, 2.682, 124.765

77, 12.137,
124.310

■ 82, 21.280,
123.927

Harmonies

Complementary

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



35, 70.529, 309.157



65, 61.604, 121.912

Rectangle

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



35, 70.529, 309.157



35, 70.529, 359.157



35, 70.529, 129.157



35, 70.529, 179.157

Sweetspot

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



35, 70.529, 309.158



75, 24.803, 305.976



51, 30.389, 252.806



38, 17.131, 306.144



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, 70.529, 309.158



38, 102.529, 309.805



43, 70.850, 323.418



34, 5.646, 305.339



20, 86.100, 309.734



1, 11.638, 302.256

Inverse Universe

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



43, 55.817, 344.441



51, 76.097, 347.062



62, 70.512, 136.256



34, 5.035, 338.476



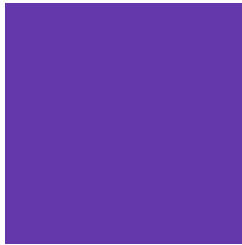
33, 59.605, 350.917



2, 9.856, 342.504

Previews

White Background



This preview shows how the CIELCh color 35, 70.529, 309.157 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, 70.529, 309.157 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

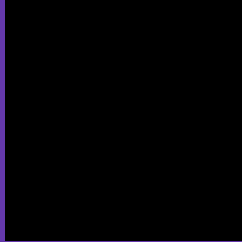
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 35, 70.529, 309.157

Background



This preview shows how black text looks on a background with the CIELCh color 35, 70.529, 309.157.



This preview shows how white text looks on a background with the CIELCh color 35, 70.529, 309.157.

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, 70.529, 309.157

Protanopia

35, 55.569, 286.264

Deuteranopia

35, 39.690, 273.723



Tritanopia
35, 4.383, 285.500

Trichromacy



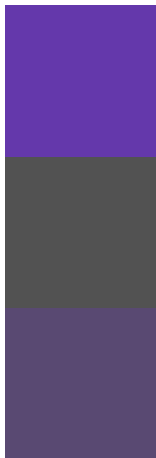
Original Color
35, 70.529, 309.157

Protanomaly
34, 61.668, 293.312

Deuteranomaly
33, 50.875, 288.951

Tritanomaly
34, 29.413, 305.260

Monochromacy



Original Color
35, 70.529, 309.157

Achromatopsia
35, 0.005, 296.813

Achromatomaly
34, 26.480, 307.151

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 35, 70.529, 309.157 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(100, 56, 171)` looks like.

```
.text, #text, p{  
    color:rgb(100, 56, 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(100, 56, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 56, 171) }
```

Border

The CSS property to change the border of an element to CIELCh 35, 70.529, 309.157 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(100, 56, 171) }
```

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

```
.border{ border-color:rgb(100, 56, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(100, 56, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 56, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 56, 171);  
box-shadow:4px 4px 4px 4px rgb(100, 56,  
171) }
```

Background

The CSS property to change the background color of an element to CIELCh 35, 70.529, 309.157 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 56, 171) }
```

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

```
.background{ background-color: rgb(100, 56,  
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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