

Converting Colors

CIELCh(35, 48.168, 315.028)

Have a look what the booklet for
CIELCh(35, 48.168, 315.028)
contains.

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Color

CIELCh(35, 47.837, 315.039)

Conversions

Conversions Part 1

Format	Color
Hex	6C3F89
RGB	108, 63, 137
RGB Percent	42%, 25%, 54%
CMY	0.5775, 0.7539, 0.4638
CMYK	0.21, 0.54, 0.00, 0.46
HSL	276°, 37%, 39%
HSV	276°, 54%, 54%
XYZ	12.4128, 8.4984, 24.5530
YIQ	84.8910, 3.0660, 32.5540

Conversions

Conversions Part 2

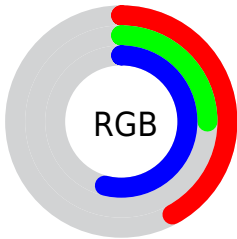
Format	Color
R_{YB}	108, 63, 137
Decimal	7094153
CIE _{Lab}	35.00, 33.85, -33.80
CIE _{LCh}	35, 47.837, 315.039
Y _{xy}	8.4984, 0.2730, 0.1869
Android (android.graphics.Color)	4285284233 (0xFF6C3F89)
Y _{UV}	84.8910, 25.6897, 20.2666
Hunter-Lab	29.1520, 24.9884, -29.5300

Details

The CIELCh color $35, 47.837, 315.039$ is a dark color, and the websafe version is hex 663366 . A complement of this color would be $52, 45.255, 130.304$, and the grayscale version is $36, 0.005, 296.813$.

A 20% lighter version of the original color is $55, 48.139, 314.962$, and $15, 47.934, 315.056$ is the 20% darker color. If you saturate the color by 10%, you get $31, 56.191, 315.351$, and if you desaturate by 10%, it is $39, 39.024, 314.643$.

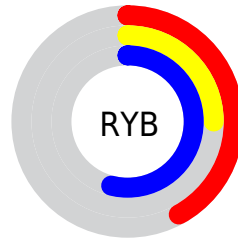
Distribution



Red (42%)

Green (25%)

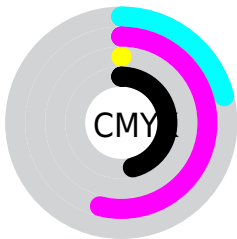
Blue (54%)



Red (42%)

Yellow (25%)

Blue (54%)

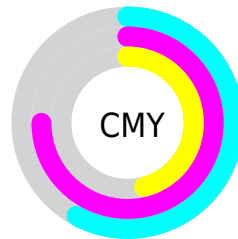


Cyan (21%)

Magenta (54%)

Yellow (0%)

Black (46%)



Cyan (58%)


Magenta (75%)


Yellow (46%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 35, 47.837, 315.039 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, 47.837, 315.039 by changing the saturation by 10% instead.


 35, 47.837,
315.039


 35, 47.837,
315.039

 100, 47.837,
315.039


 25, 47.837,
315.039

 55, 47.837,
315.039


 15, 47.837,
315.039


 65, 47.837,
315.039

 5, 47.837, 315.039

 75, 47.837,
315.039

 0, 47.837, 315.039

 85, 47.837,
315.039

 95, 47.837,
315.039

35, 47.837,
315.039

35, 47.837,
315.039

31, 56.191,
315.351

39, 39.024,
314.643

28, 63.698,
315.517

43, 30.034,
314.206

26, 69.875,
315.464

47, 21.049,
313.759

24, 74.282,
315.118

51, 12.185,
313.318


22, 76.576,
314.896

55, 3.505, 312.881

59, 4.956, 132.552

64, 13.182,
132.184

68, 21.170,
131.860

 72, 28.923,
131.571

Harmonies

Complementary

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



35, 47.837, 315.039



52, 45.255, 130.304

Rectangle

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



35, 47.837, 315.039



35, 47.837, 5.039



35, 47.837, 135.039



35, 47.837, 185.039

Sweetspot

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



35, 47.836, 315.039



64, 17.231, 313.417



39, 28.154, 275.522



32, 11.611, 313.493



87, 0.010, 296.813



38, 0.005, 296.813

Same Dimension

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



35, 47.836, 315.039



41, 70.587, 315.405



39, 47.122, 330.303



27, 4.876, 313.105



22, 74.875, 314.927



0, 2.240, 312.749

Inverse Universe

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



37, 34.974, 356.536



44, 50.997, 359.163



51, 47.492, 142.728



27, 3.577, 350.660



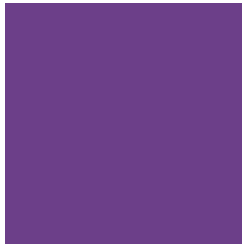
27, 52.118, 10.856



0, 1.637, 349.908

Previews

White Background



This preview shows how the CIELCh color 35, 47.837, 315.039 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, 47.837, 315.039 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

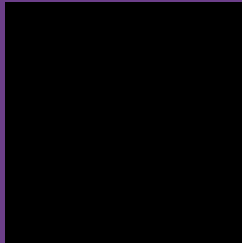
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 35, 47.837, 315.039

Background



This preview shows how black text looks on a background with the CIELCh color 35, 47.837, 315.039.



This preview shows how white text looks on a background with the CIELCh color 35, 47.837, 315.039.

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, 47.837, 315.039

Protanopia

35, 46.190, 286.845

Deuteranopia

35, 31.748, 279.720



Tritanopia
35, 10.331, 0.004

Trichromacy



Original Color
35, 47.837, 315.039

Protanomaly
35, 46.071, 295.235

Deuteranomaly
35, 36.194, 294.912

Tritanomaly
35, 22.745, 325.050

Monochromacy



Original Color
35, 47.837, 315.039

Achromatopsia
36, 0.005, 296.813

Achromatomaly
35, 18.075, 313.303

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 35, 47.837, 315.039 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(108, 63, 137)` looks like.

```
.text, #text, p{  
    color:rgb(108, 63, 137)  
}
```

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(108, 63, 137) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(108, 63, 137) }
```

Border

The CSS property to change the border of an element to CIELCh 35, 47.837, 315.039 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(108, 63, 137) }
```

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

```
.border{ border-color:rgb(108, 63, 137) }
```

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

Here you see how a box with a 4 pixel `rgb(108, 63, 137)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(108, 63, 137); -webkit-box-  
shadow:4px 4px 4px 4px rgb(108, 63, 137);  
box-shadow:4px 4px 4px 4px rgb(108, 63,  
137) }
```

Background

The CSS property to change the background color of an element to CIELCh 35, 47.837, 315.039 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(108, 63, 137) }
```

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

```
.background{ background-color: rgb(108, 63,  
137) }
```

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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