

Converting Colors

CIELCh(35, 66.936, 317.114)

Have a look what the booklet for
CIELCh(35, 66.936, 317.114)
contains.

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Color

CIELCh(35, 66.911, 317.221)

Conversions

Conversions Part 1

Format	Color
Hex	78309C
RGB	120, 48, 156
RGB Percent	47%, 19%, 61%
CMY	0.5296, 0.8119, 0.3884
CMYK	0.23, 0.69, 0.00, 0.39
HSL	280°, 53%, 40%
HSV	280°, 69%, 61%
XYZ	14.7907, 8.4984, 32.2920
YIQ	81.8400, 8.2440, 48.8520

Conversions

Conversions Part 2

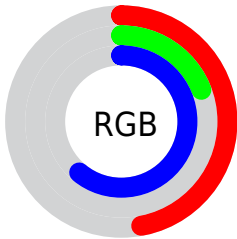
Format	Color
R_{YB}	120, 48, 156
Decimal	7876764
CIE _{Lab}	35.00, 49.11, -45.44
CIE _{LCh}	35, 66.911, 317.221
Yxy	8.4984, 0.2661, 0.1529
Android (android.graphics.Color)	4286066844 (0xFF78309C)
YUV	81.8400, 36.5609, 33.4663
Hunter-Lab	29.1520, 39.5487, -45.2698

Details

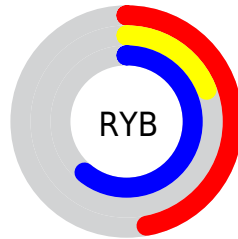
The CIELCh color **35, 66.911, 317.221** is a dark color, and the websafe version is hex **663399**. A complement of this color would be **58, 63.493, 131.517**, and the grayscale version is **35, 0.005, 296.813**.

A 20% lighter version of the original color is **55, 66.671, 317.144**, and **16, 62.388, 316.213** is the 20% darker color. If you saturate the color by 10%, you get **32, 74.145, 317.228**, and if you desaturate by 10%, it is **39, 58.321, 317.027**.

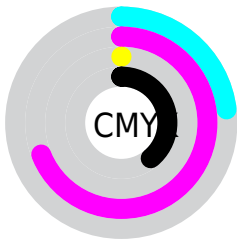
Distribution



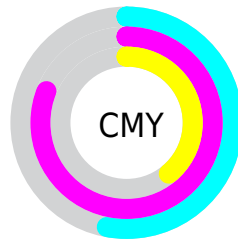
- Red (47%)
- Green (19%)
- Blue (61%)



- Red (47%)
- Yellow (19%)
- Blue (61%)



- Cyan (23%)
- Magenta (69%)
- Yellow (0%)
- Black (39%)





- Cyan (53%)
- Magenta (81%)
- Yellow (39%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 35, 66.911, 317.221 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, 66.911, 317.221 by changing the saturation by 10% instead.


 35, 66.911,
317.221


 35, 66.911,
317.221

 100, 66.911,
317.221


 25, 66.911,
317.221

 55, 66.911,
317.221


 15, 66.911,
317.221


 65, 66.911,
317.221

 5, 66.911, 317.221

 75, 66.911,
317.221

 0, 66.911, 317.221

 85, 66.911,
317.221

 95, 66.911,
317.221

■ 35, 66.911,
317.221

■ 35, 66.911,
317.221

■ 32, 74.145,
317.228

■ 39, 58.321,
317.027

■ 30, 79.519,
316.980

■ 42, 48.879,
316.710

■ 28, 83.126,
316.496

■ 47, 38.982,
316.320

■ 28, 83.394,
316.463

■ 51, 28.918,
315.895

■ 55, 18.878,
315.460

■ 60, 8.978, 315.028

■ 65, 0.711, 134.840

■ 69, 10.154,
134.278

■ 74, 19.333,
133.925

Harmonies

Complementary

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



35, 66.911, 317.221



58, 63.493, 131.517

Rectangle

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



35, 66.911, 317.221



35, 66.911, 7.221



35, 66.911, 137.221



35, 66.911, 187.221

Sweetspot

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



35, 66.910, 317.221



70, 25.682, 315.554



37, 43.632, 284.330



35, 17.380, 315.664



91, 0.011, 296.813



43, 0.006, 296.813

Same Dimension

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



35, 66.910, 317.221



41, 94.340, 317.130



40, 61.402, 333.082



31, 5.550, 315.029



25, 78.153, 316.539



1, 7.128, 313.550

Inverse Universe

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



38, 47.633, 4.603



45, 66.922, 10.032



57, 63.051, 142.083



31, 3.882, 354.481



29, 55.846, 16.770



1, 4.948, 354.846

Previews

White Background



This preview shows how the CIELCh color 35, 66.911, 317.221 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, 66.911, 317.221 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

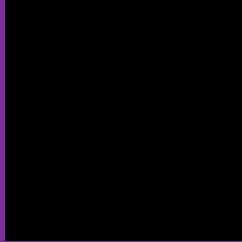
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 35, 66.911, 317.221

Background



This preview shows how black text looks on a background with the CIELCh color 35, 66.911, 317.221.



This preview shows how white text looks on a background with the CIELCh color 35, 66.911, 317.221.

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, 66.911, 317.221

Protanopia

35, 56.141, 286.536

Deuteranopia

35, 41.665, 277.163



Tritanopia
35, 16.067, 8.841

Trichromacy



Original Color
35, 66.911, 317.221

Protanomaly
33, 60.619, 294.819

Deuteranomaly
33, 50.762, 292.975

Tritanomaly
34, 32.313, 329.775

Monochromacy



Original Color
35, 66.911, 317.221

Achromatopsia
35, 0.005, 296.813

Achromatomaly
34, 26.454, 316.123

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 35, 66.911, 317.221 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(120, 48, 156)` looks like.

```
.text, #text, p{  
    color:rgb(120, 48, 156)  
}
```

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(120, 48, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 48, 156) }
```

Border

The CSS property to change the border of an element to CIELCh 35, 66.911, 317.221 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(120, 48, 156) }
```

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

```
.border{ border-color:rgb(120, 48, 156) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 48, 156)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 48, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 48, 156);  
box-shadow:4px 4px 4px 4px rgb(120, 48,  
156) }
```

Background

The CSS property to change the background color of an element to CIELCh 35, 66.911, 317.221 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 48, 156) }
```

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

```
.background{ background-color: rgb(120, 48,  
156) }
```

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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