

Converting Colors

CIELCh(35, 61.405, 309.286)

Have a look what the booklet for
CIELCh(35, 61.405, 309.286)
contains.

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Color

CIELCh(35, 61.600, 309.409)

Conversions

Conversions Part 1

Format	Color
Hex	643C9F
RGB	100, 60, 159
RGB Percent	39%, 24%, 62%
CMY	0.6067, 0.7637, 0.3753
CMYK	0.37, 0.62, 0.00, 0.38
HSL	264°, 45%, 43%
HSV	264°, 62%, 62%
XYZ	13.2007, 8.4984, 33.8790
YIQ	83.2460, -7.9390, 39.2690

Conversions

Conversions Part 2

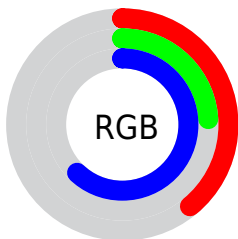
Format	Color
R_{YB}	100, 60, 159
Decimal	6569119
CIE _{Lab}	35.00, 39.11, -47.59
CIE _{LCh}	35, 61.600, 309.409
Yxy	8.4984, 0.2375, 0.1529
Android (android.graphics.Color)	4284759199 (0xFF643C9F)
YUV	83.2460, 37.3467, 14.6933
Hunter-Lab	29.1520, 29.8131, -48.4976

Details

The CIELCh color **35, 61.600, 309.409** is a dark color, and the websafe version is hex **663399**. A complement of this color would be **61, 54.801, 122.850**, and the grayscale version is **35, 0.005, 296.813**.

A 20% lighter version of the original color is **55, 61.656, 309.660**, and **15, 61.669, 309.334** is the 20% darker color. If you saturate the color by 10%, you get **31, 71.099, 309.946**, and if you desaturate by 10%, it is **40, 51.516, 308.768**.

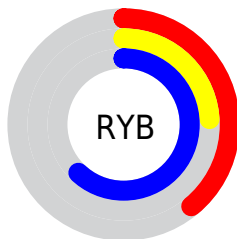
Distribution



Red (39%)

Green (24%)

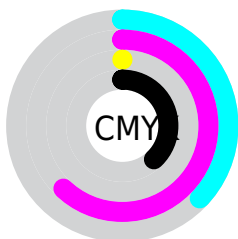
Blue (62%)



Red (39%)

Yellow (24%)

Blue (62%)

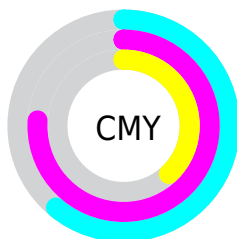


Cyan (37%)

Magenta (62%)

Yellow (0%)

Black (38%)



Cyan (61%)


Magenta (76%)


Yellow (38%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 35, 61.600, 309.409 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, 61.600, 309.409 by changing the saturation by 10% instead.


 35, 61.600,
309.409


 35, 61.600,
309.409

 100, 61.600,
309.409


 25, 61.600,
309.409

 55, 61.600,
309.409


 15, 61.600,
309.409


 65, 61.600,
309.409

 5, 61.600, 309.409

 75, 61.600,
309.409

 0, 61.600, 309.409

 85, 61.600,
309.409

 95, 61.600,
309.409

35, 61.600,
309.409

35, 61.600,
309.409

31, 71.099,
309.946

40, 51.516,
308.768

27, 79.385,
310.267

44, 41.265,
308.096

24, 85.671,
310.236

49, 31.088,
307.439

22, 89.450,
310.063

54, 21.117,
306.822

59, 11.415,
306.256

65, 2.009, 305.721

70, 7.096, 125.319

75, 15.906,
124.919

■ 80, 24.432,
124.572

Harmonies

Complementary

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



35, 61.600, 309.409



61, 54.801, 122.850

Rectangle

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



35, 61.600, 309.409



35, 61.600, 359.409



35, 61.600, 129.409



35, 61.600, 179.409

Sweetspot

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



35, 61.599, 309.409



71, 22.267, 306.658



48, 27.941, 255.788



36, 15.511, 306.816



92, 0.011, 296.813



44, 0.006, 296.813

Same Dimension

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



35, 61.599, 309.409



39, 90.724, 310.116



42, 63.111, 324.352



31, 5.248, 306.100



20, 82.480, 310.164



1, 6.750, 304.893

Inverse Universe

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



41, 49.128, 344.911



49, 68.581, 347.237



59, 63.007, 137.325



31, 4.594, 339.475



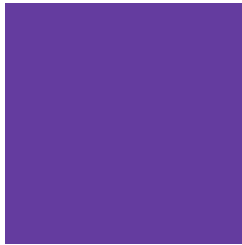
31, 56.852, 352.554



1, 5.828, 340.301

Previews

White Background



This preview shows how the CIELCh color 35, 61.600, 309.409 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, 61.600, 309.409 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

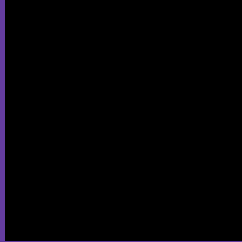
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 35, 61.600, 309.409

Background



This preview shows how black text looks on a background with the CIELCh color 35, 61.600, 309.409.



This preview shows how white text looks on a background with the CIELCh color 35, 61.600, 309.409.

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, 61.600, 309.409

Protanopia

35, 55.569, 286.264

Deuteranopia

35, 41.320, 275.659



Tritanopia
35, 4.132, 314.907

Trichromacy



Original Color
35, 61.600, 309.409

Protanomaly
34, 57.414, 291.579

Deuteranomaly
33, 48.453, 287.619

Tritanomaly
34, 26.042, 309.081

Monochromacy



Original Color
35, 61.600, 309.409

Achromatopsia
36, 0.005, 296.813

Achromatomaly
35, 23.324, 307.800

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 35, 61.600, 309.409 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, 60, 159)` looks like.

```
.text, #text, p{  
    color:rgb(100, 60, 159)  
}
```

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, 60, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 60, 159) }
```

Border

The CSS property to change the border of an element to CIELCh 35, 61.600, 309.409 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, 60, 159) }
```

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

```
.border{ border-color:rgb(100, 60, 159) }
```

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

Here you see how a box with a 4 pixel rgb(100, 60, 159) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 60, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 60, 159);  
box-shadow:4px 4px 4px 4px rgb(100, 60,  
159) }
```

Background

The CSS property to change the background color of an element to CIELCh 35, 61.600, 309.409 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 60, 159) }
```

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

```
.background{ background-color: rgb(100, 60,  
159) }
```

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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