

Converting Colors

CIELCh(35, 64.639, 311.452)

Have a look what the booklet for
CIELCh(35, 64.639, 311.452)
contains.

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Color

CIELCh(35, 64.501, 311.405)

Conversions

Conversions Part 1

Format	Color
Hex	6A39A1
RGB	106, 57, 161
RGB Percent	42%, 22%, 63%
CMY	0.5857, 0.7777, 0.3700
CMYK	0.34, 0.65, 0.00, 0.37
HSL	268°, 48%, 43%
HSV	268°, 65%, 63%
XYZ	13.7516, 8.4984, 34.4711
YIQ	83.5070, -4.1800, 42.7320

Conversions

Conversions Part 2

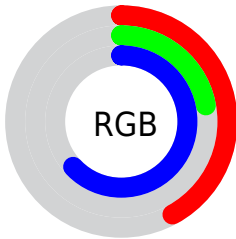
Format	Color
R_{YB}	106, 57, 161
Decimal	6961569
CIE _{Lab}	35.00, 42.66, -48.38
CIE _{LCh}	35, 64.501, 311.405
Yxy	8.4984, 0.2424, 0.1498
Android (android.graphics.Color)	4285151649 (0xFF6A39A1)
YUV	83.5070, 38.2040, 19.7264
Hunter-Lab	29.1520, 33.1860, -49.7018

Details

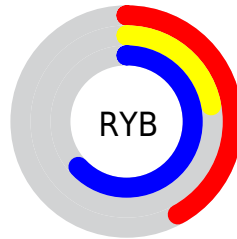
The CIELCh color **35, 64.501, 311.405** is a dark color, and the websafe version is hex **663399**. A complement of this color would be **61, 58.113, 125.323**, and the grayscale version is **35, 0.005, 296.813**.

A 20% lighter version of the original color is **55, 64.710, 311.369**, and **15, 64.271, 311.435** is the 20% darker color. If you saturate the color by 10%, you get **31, 73.510, 311.745**, and if you desaturate by 10%, it is **39, 54.654, 310.920**.

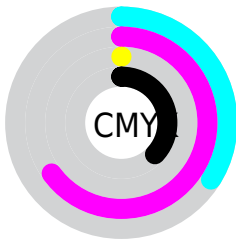
Distribution



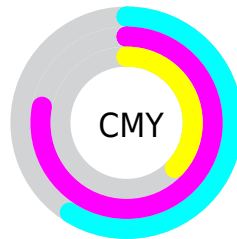
- Red (42%)
- Green (22%)
- Blue (63%)



- Red (42%)
- Yellow (22%)
- Blue (63%)



- Cyan (34%)
- Magenta (65%)
- Yellow (0%)
- Black (37%)





- Cyan (59%)
- Magenta (78%)
- Yellow (37%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 35, 64.501, 311.405 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, 64.501, 311.405 by changing the saturation by 10% instead.


 35, 64.501,
311.405


 35, 64.501,
311.405

 100, 64.501,
311.405


 25, 64.501,
311.405

 55, 64.501,
311.405


 15, 64.501,
311.405


 65, 64.501,
311.405

 5, 64.501, 311.405

 75, 64.501,
311.405

 0, 64.501, 311.405

 85, 64.501,
311.405

 95, 64.501,
311.405

35, 64.501,
311.405

35, 64.501,
311.405

31, 73.510,
311.745

39, 54.654,
310.920

28, 81.032,
311.833

44, 44.446,
310.366

25, 86.381,
311.556

49, 34.182,
309.797

24, 88.776,
311.377

54, 24.039,
309.244

59, 14.117,
308.724

64, 4.462, 308.236

69, 4.906, 127.848

74, 13.983,
127.455

■ 79, 22.776,
127.116

Harmonies

Complementary

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



35, 64.501, 311.405



61, 58.113, 125.323

Rectangle

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



35, 64.501, 311.405



35, 64.501, 1.405



35, 64.501, 131.405



35, 64.501, 181.405

Sweetspot

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



35, 64.500, 311.405



72, 22.739, 308.961



46, 31.695, 265.311



36, 15.676, 309.102



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, 64.500, 311.405



39, 94.052, 311.826



42, 66.026, 326.517



31, 5.312, 308.455



21, 81.351, 311.490



1, 6.831, 307.183

Inverse Universe

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



41, 49.257, 349.427



49, 68.484, 352.531



59, 66.635, 138.295



31, 4.386, 342.809



30, 55.500, 358.385



1, 5.573, 343.553

Previews

White Background



This preview shows how the CIELCh color 35, 64.501, 311.405 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, 64.501, 311.405 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

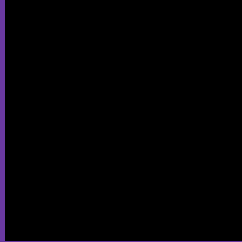
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 35, 64.501, 311.405

Background



This preview shows how black text looks on a background with the CIELCh color 35, 64.501, 311.405.



This preview shows how white text looks on a background with the CIELCh color 35, 64.501, 311.405.

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, 64.501, 311.405

Protanopia
35, 55.569, 286.264

Deuteranopia
35, 41.320, 275.659



Tritanopia
35, 6.768, 340.335

Trichromacy



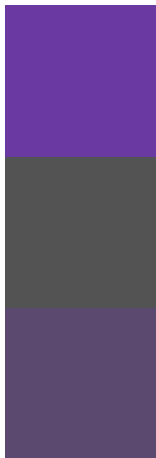
Original Color
35, 64.501, 311.405

Protanomaly
34, 58.632, 292.468

Deuteranomaly
33, 49.654, 288.797

Tritanomaly
34, 27.978, 313.899

Monochromacy



Original Color
35, 64.501, 311.405

Achromatopsia
35, 0.005, 296.813

Achromatomaly
34, 24.864, 309.792

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 35, 64.501, 311.405 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(106, 57, 161)` looks like.

```
.text, #text, p{  
    color:rgb(106, 57, 161)  
}
```

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(106, 57, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 57, 161) }
```

Border

The CSS property to change the border of an element to CIELCh 35, 64.501, 311.405 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(106, 57, 161) }
```

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

```
.border{ border-color:rgb(106, 57, 161) }
```

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

Here you see how a box with a 4 pixel rgb(106, 57, 161) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(106, 57, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(106, 57, 161);  
box-shadow:4px 4px 4px 4px rgb(106, 57,  
161) }
```

Background

The CSS property to change the background color of an element to CIELCh 35, 64.501, 311.405 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(106, 57, 161) }
```

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

```
.background{ background-color: rgb(106, 57,  
161) }
```

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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