Converting Colors

CIELCh(35, 76.119, 310.537)

Have a look what the booklet for CIELCh(35, 76.119, 310.537) contains.

Color

CIELCh(35, 75.839, 310.631)

Conversions

Conversions Part 1

Format	Color
Hex	6933B0
RGB	105, 51, 176
RGB Percent	41%, 20%, 69%
CMY	0.5884, 0.8001, 0.3100
CMYK	0.40, 0.71, 0.00, 0.31
HSL	266°, 55%, 44%
HSV	266°, 71%, 69%
XYZ	14.8360, 8.4984, 41.9122
YIQ	81.3960, -7.9410, 50.3230

Conversions

Conversions Part 2

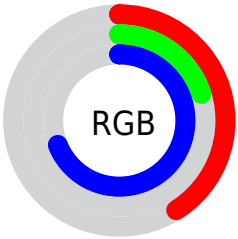
Format	Color
RYB	105, 51, 176
Decimal	6894512
CIELab	35.00, 49.39, -57.56
CIELCh	35, 75.839, 310.631
Yxy	8.4984, 0.2274, 0.1303
Android (android.graphics.Color)	4285084592 (0xFF6933B0)
YUV	81.3960, 46.6398, 20.7007
Hunter-Lab	29.1520, 39.8258, -64.8355

Details

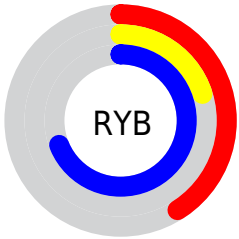
The CIELCh color 35, 75.839, 310.631 is a dark color, and the websafe version is hex 663399. A complement of this color would be 66, 66.666, 123.826, and the grayscale version is 34, 0.005, 296.813.

A 20% lighter version of the original color is 55, 75.962, 310.468, and 16, 73.750, 309.988 is the 20% darker color. If you saturate the color by 10%, you get 31, 84.757, 310.900, and if you desaturate by 10%, it is 40, 65.602, 310.148.

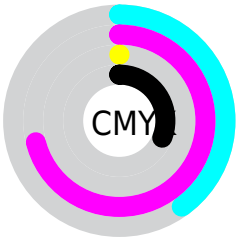
Distribution



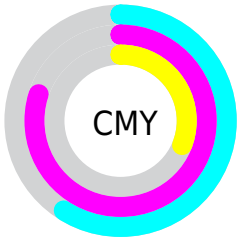
- Red (41%)
- Green (20%)
- Blue (69%)



- Red (41%)
- Yellow (20%)
- Blue (69%)



- Cyan (40%)
- Magenta (71%)
- Yellow (0%)
- Black (31%)



- Cyan (59%)
- Magenta (80%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 35, 75.839, 310.631 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, 75.839, 310.631 by changing the saturation by 10% instead.

35, 75.839, 310.631

35, 75.839, 310.631

100, 75.839, 310.631

25, 75.839, 310.631

55, 75.839, 310.631

15, 75.839, 310.631

65, 75.839, 310.631

5, 75.839, 310.631

0, 75.839, 310.631

75, 75.839, 310.631

85, 75.839, 310.631

95, 75.839, 310.631

35, 75.839, 310.631

31, 84.757, 310.900

28, 91.532, 310.823

26, 95.808, 310.502

35, 75.839, 310.631

40, 65.602, 310.148

44, 54.717, 309.556

50, 43.629, 308.928

55, 32.606, 308.308

60, 21.793, 307.723

66, 11.264, 307.182

71, 1.049, 306.624

77, 8.842, 126.286

82, 18.416, 125.901

Harmonies

Complementary

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

35, 75.839, 310.631

66, 66.666, 123.826

Rectangle

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

35, 75.839, 310.631

35, 75.839, 0.631

35, 75.839, 130.631

35, 75.839, 180.631

Sweetspot

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

35, 75.839, 310.632

77, 27.013, 307.741

50, 34.539, 261.396

39, 18.336, 307.895

96, 0.011, 296.813

48, 0.006, 296.813

Same Dimension

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

35, 75.839, 310.632

39, 108.273, 310.909

44, 75.603, 325.080

35, 5.833, 307.095

22, 86.315, 310.624

1, 13.704, 303.086

Inverse Universe

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

43, 57.685, 348.146

52, 77.572, 351.565

64, 76.091, 136.858

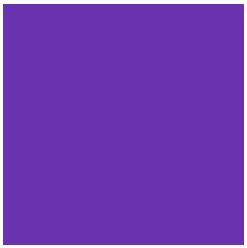
35, 4.982, 340.838

33, 59.056, 355.154

2, 11.058, 346.059

Previews

White Background

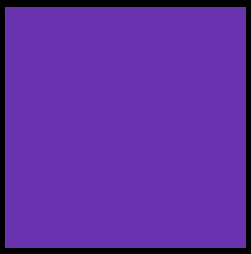


This preview shows how the CIELCh color 35, 75.839, 310.631 looks on a white background.

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



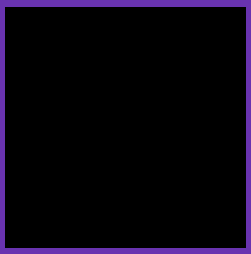
This preview shows how the CIELCh color 35, 75.839, 310.631 looks on a black background.

Color Contrast Check

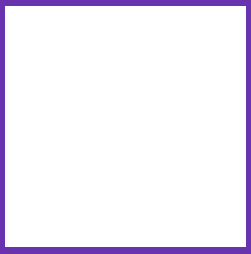
Large Text (above 18pt) WCAG AA × Fail
Any Text WCAG AA × Fail
Large Text (above 18pt) WCAG AAA × Fail
Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the Color Contrast Checker.

CIELCh 35, 75.839, 310.631 Background



This preview shows how black text looks on a background with the CIELCh color 35, 75.839, 310.631.



This preview shows how white text looks on a background with the CIELCh color 35, 75.839, 310.631.

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, 75.839, 310.631

Protanopia
35, 55.569, 286.264

Deuteranopia
35, 39.690, 273.723

Tritanopia
35, 4.132, 314.907

Trichromacy

Original Color
35, 75.839, 310.631

Protanomaly
33, 64.133, 294.625

Deuteranomaly
33, 52.677, 290.255

Tritanomaly
34, 31.809, 309.393

Monochromacy

Original Color
35, 75.839, 310.631

Achromatopsia
34, 0.005, 296.813

Achromatomaly
34, 29.900, 308.839

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 35, 75.839, 310.631 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(105, 51, 176) looks like.

```
.text, #text, p{
    color:rgb(105, 51, 176)
}
```

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(105, 51, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(105, 51, 176) }
```

Border

The CSS property to change the border of an element to CIELCh 35, 75.839, 310.631 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(105, 51, 176) }
```

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

```
.border{ border-color:rgb(105, 51, 176) }
```

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

Here you see how a box with a 4 pixel rgb(105, 51, 176) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(105, 51, 176); -webkit-box-shadow:4px 4px 4px 4px rgb(105, 51, 176); box-shadow:4px 4px 4px 4px rgb(105, 51, 176) }
```

Background

The CSS property to change the background color of an element to CIELCh 35, 75.839, 310.631 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{
background:rgb(105, 51, 176) }
```

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

```
.background{ background-color:rgb(105, 51,
176) }
```

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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