

Converting Colors

CIELCh(35, 30.701, 310.935)

Have a look what the booklet for
CIELCh(35, 30.701, 310.935)
contains.

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Color

CIELCh(35, 30.693, 311.289)

Conversions

Conversions Part 1

Format	Color
Hex	604877
RGB	96, 72, 119
RGB Percent	38%, 28%, 47%
CMY	0.6226, 0.7168, 0.5324
CMYK	0.19, 0.39, 0.00, 0.53
HSL	271°, 25%, 38%
HSV	271°, 39%, 47%
XYZ	10.5220, 8.4984, 18.6107
YIQ	84.5340, -0.7830, 19.7050

Conversions

Conversions Part 2

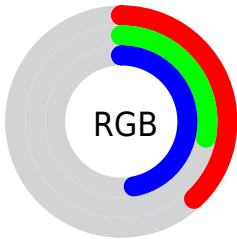
Format	Color
RYB	96, 72, 119
Decimal	6310007
CIELab	35.00, 20.25, -23.06
CIELCh	35, 30.693, 311.289
Yxy	8.4984, 0.2796, 0.2258
Android (android.graphics.Color)	4284500087 (0xFF604877)
YUV	84.5340, 16.9917, 10.0557
Hunter-Lab	29.1520, 13.4112, -17.4444

Details

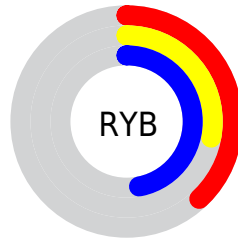
The CIELCh color **35, 30.693, 311.289** is a dark color, and the websafe version is hex **663366**. A complement of this color would be **47, 29.124, 127.687**, and the grayscale version is **36, 0.005, 296.813**.

A 20% lighter version of the original color is **55, 30.338, 311.127**, and **15, 30.237, 311.056** is the 20% darker color. If you saturate the color by 10%, you get **31, 38.719, 311.793**, and if you desaturate by 10%, it is **39, 22.685, 310.781**.

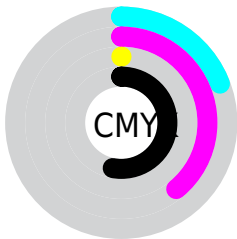
Distribution



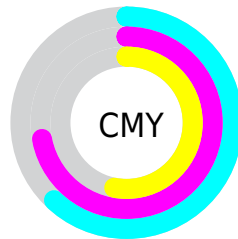
- Red (38%)
- Green (28%)
- Blue (47%)



- Red (38%)
- Yellow (28%)
- Blue (47%)



- Cyan (19%)
- Magenta (39%)
- Yellow (0%)
- Black (53%)





- Cyan (62%)
- Magenta (72%)
- Yellow (53%)
- Black (0%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 35, 30.693, 311.289 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, 30.693, 311.289 by changing the saturation by 10% instead.


 35, 30.693,
311.289


 35, 30.693,
311.289

 100, 30.693,
311.289


 25, 30.693,
311.289

 55, 30.693,
311.289


 15, 30.693,
311.289


 65, 30.693,
311.289

 5, 30.693, 311.289

 75, 30.693,
311.289

 0, 30.693, 311.289

 85, 30.693,
311.289

 95, 30.693,
311.289

■ 35, 30.693,
311.289

■ 35, 30.693,
311.289

■ 31, 38.719,
311.793

■ 39, 22.685,
310.781

■ 28, 46.595,
312.258

■ 43, 14.799,
310.291

■ 25, 54.050,
312.629

■ 46, 7.091, 309.828

■ 22, 60.691,
312.833

■ 50, 0.413, 129.622

■ 54, 7.700, 129.051

■ 19, 66.034,
312.773

■ 58, 14.772,
128.706

■ 17, 70.423,
312.579

■ 62, 21.631,
128.401

■ 17, 70.690,
312.577

■ 66, 28.287,
128.134

■ 70, 34.748,
127.899

Harmonies

Complementary

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



35, 30.693, 311.289



47, 29.124, 127.687

Rectangle

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



35, 30.693, 311.289



35, 30.693, 1.289



35, 30.693, 131.289



35, 30.693, 181.289

Sweetspot

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



35, 30.692, 311.289



58, 11.256, 309.959



40, 16.222, 261.761



30, 7.534, 310.004



83, 0.010, 296.813



34, 0.005, 296.813

Same Dimension

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



35, 30.692, 311.289



42, 45.742, 311.731



38, 33.685, 326.455



23, 4.172, 309.810



18, 72.052, 312.546



40, 122.847, 311.933

Inverse Universe

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



37, 24.093, 347.966



45, 35.521, 349.088



46, 33.734, 141.640



23, 3.327, 344.904



25, 49.286, 1.337



54, 83.247, 3.940

Previews

White Background



This preview shows how the CIELCh color 35, 30.693, 311.289 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, 30.693, 311.289 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

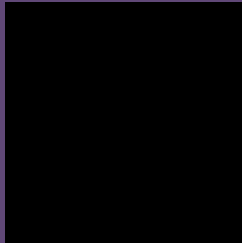
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 35, 30.693, 311.289

Background



This preview shows how black text looks on a background with the CIELCh color 35, 30.693, 311.289.



This preview shows how white text looks on a background with the CIELCh color 35, 30.693, 311.289.

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, 30.693, 311.289

Protanopia

35, 28.842, 285.227

Deuteranopia

35, 22.036, 282.903



Tritanopia
35, 6.768, 340.335

Trichromacy



Original Color
35, 30.693, 311.289

Protanomaly
35, 28.715, 294.107

Deuteranomaly
35, 25.033, 295.832

Tritanomaly
35, 14.701, 318.520

Monochromacy



Original Color
35, 30.693, 311.289

Achromatopsia
36, 0.005, 296.813

Achromatomaly
35, 11.269, 310.815

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 35, 30.693, 311.289 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(96, 72, 119)` looks like.

```
.text, #text, p{  
    color:rgb(96, 72, 119)  
}
```

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(96, 72, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(96, 72, 119) }
```

Border

The CSS property to change the border of an element to CIELCh 35, 30.693, 311.289 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(96, 72, 119) }
```

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

```
.border{ border-color:rgb(96, 72, 119) }
```

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

Here you see how a box with a 4 pixel rgb(96, 72, 119) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(96, 72, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(96, 72, 119);  
box-shadow:4px 4px 4px 4px rgb(96, 72,  
119) }
```

Background

The CSS property to change the background color of an element to CIELCh 35, 30.693, 311.289 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(96, 72, 119) }
```

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

```
.background{ background-color: rgb(96, 72,  
119) }
```

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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