

Converting Colors

CIELCh(35, 31.462, 316.312)

Have a look what the booklet for
CIELCh(35, 31.462, 316.312)
contains.

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Color

CIELCh(35, 31.607, 316.763)

Conversions

Conversions Part 1

Format	Color
Hex	664675
RGB	102, 70, 117
RGB Percent	40%, 27%, 46%
CMY	0.5998, 0.7253, 0.5410
CMYK	0.13, 0.40, 0.00, 0.54
HSL	281°, 25%, 37%
HSV	281°, 40%, 46%
XYZ	10.8909, 8.4984, 17.9099
YIQ	84.9260, 3.9850, 21.4010

Conversions

Conversions Part 2

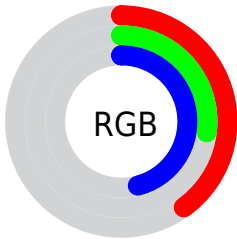
Format	Color
R_{YB}	102, 70, 117
Decimal	6702709
CIE _{Lab}	35.00, 23.03, -21.65
CIE _{LCh}	35, 31.607, 316.763
Yxy	8.4984, 0.2920, 0.2278
Android (android.graphics.Color)	4284892789 (0xFF664675)
YUV	84.9260, 15.8125, 14.9739
Hunter-Lab	29.1520, 15.6700, -16.0191

Details

The CIELCh color **35, 31.607, 316.763** is a dark color, and the websafe version is hex **663366**. A complement of this color would be **46, 30.647, 133.265**, and the grayscale version is **36, 0.005, 296.813**.

A 20% lighter version of the original color is **55, 31.459, 316.979**, and **15, 31.497, 317.208** is the 20% darker color. If you saturate the color by 10%, you get **32, 39.432, 317.139**, and if you desaturate by 10%, it is **38, 23.641, 316.353**.

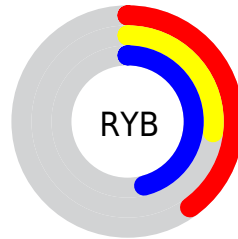
Distribution



Red (40%)

Green (27%)

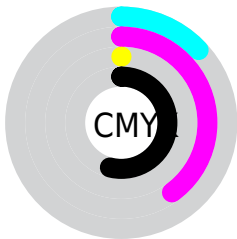
Blue (46%)



Red (40%)

Yellow (27%)

Blue (46%)

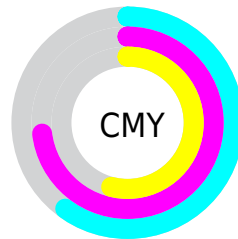


Cyan (13%)

Magenta (40%)

Yellow (0%)

Black (54%)



Cyan (60%)


Magenta (73%)


Yellow (54%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 35, 31.607, 316.763 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, 31.607, 316.763 by changing the saturation by 10% instead.


 35, 31.607,
316.763


 35, 31.607,
316.763

 100, 31.607,
316.763


 25, 31.607,
316.763

 55, 31.607,
316.763


 15, 31.607,
316.763


 65, 31.607,
316.763

 5, 31.607, 316.763

 75, 31.607,
316.763

 0, 31.607, 316.763

 85, 31.607,
316.763

 95, 31.607,
316.763

■ 35, 31.607,
316.763

■ 35, 31.607,
316.763

■ 32, 39.432,
317.139

■ 38, 23.641,
316.353

■ 29, 46.904,
317.446

■ 42, 15.684,
315.932

■ 26, 53.725,
317.641

■ 46, 7.827, 315.512

■ 23, 59.529,
317.666

■ 49, 0.125, 314.191

■ 53, 7.390, 134.777

■ 22, 63.937,
317.461

■ 57, 14.705,
134.425

■ 20, 67.448,
317.156

■ 60, 21.815,
134.107

■ 64, 28.722,
133.819

■ 68, 35.431,
133.559

Harmonies

Complementary

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



35, 31.607, 316.763



46, 30.647, 133.265

Rectangle

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



35, 31.607, 316.763



35, 31.607, 6.763



35, 31.607, 136.763



35, 31.607, 186.763

Sweetspot

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



35, 31.606, 316.763



58, 11.542, 315.603



36, 19.940, 277.457



29, 7.617, 315.642



82, 0.010, 296.813



33, 0.005, 296.813

Same Dimension

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



35, 31.606, 316.763



42, 47.011, 317.106



37, 30.171, 331.787



23, 4.340, 315.465



21, 69.663, 317.111



46, 118.489, 316.583

Inverse Universe

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



36, 22.332, 359.159



43, 33.340, 0.668



45, 30.126, 146.335



23, 3.001, 355.393



25, 50.027, 17.160



53, 86.096, 20.534

Previews

White Background



This preview shows how the CIELCh color 35, 31.607, 316.763 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, 31.607, 316.763 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

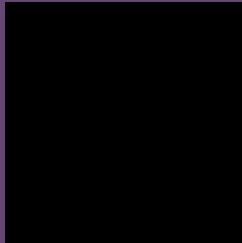
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 35, 31.607, 316.763

Background



This preview shows how black text looks on a background with the CIELCh color 35, 31.607, 316.763.



This preview shows how white text looks on a background with the CIELCh color 35, 31.607, 316.763.

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, 31.607, 316.763

Protanopia

35, 28.202, 285.473

Deuteranopia

35, 20.731, 283.766



Tritanopia
35, 9.506, 357.888

Trichromacy



Original Color
35, 31.607, 316.763

Protanomaly
35, 28.793, 296.825

Deuteranomaly
35, 23.856, 298.338

Tritanomaly
35, 16.717, 330.605

Monochromacy



Original Color
35, 31.607, 316.763

Achromatopsia
36, 0.005, 296.813

Achromatomaly
36, 11.559, 314.715

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 35, 31.607, 316.763 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(102, 70, 117)` looks like.

```
.text, #text, p{  
    color:rgb(102, 70, 117)  
}
```

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(102, 70, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 70, 117) }
```

Border

The CSS property to change the border of an element to CIELCh 35, 31.607, 316.763 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(102, 70, 117) }
```

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

```
.border{ border-color:rgb(102, 70, 117) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 70, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 70, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 70, 117);  
box-shadow:4px 4px 4px 4px rgb(102, 70,  
117) }
```

Background

The CSS property to change the background color of an element to CIELCh 35, 31.607, 316.763 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 70, 117) }
```

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

```
.background{ background-color: rgb(102, 70,  
117) }
```

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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