

Converting Colors

CIELCh(35, 31.787, 358.593)

Have a look what the booklet for
CIELCh(35, 31.787, 358.593)
contains.

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Color

CIELCh(35, 31.751, 358.523)

Conversions

Conversions Part 1

Format	Color
Hex	803D55
RGB	128, 61, 85
RGB Percent	50%, 24%, 33%
CMY	0.4998, 0.7624, 0.6682
CMYK	0.00, 0.52, 0.34, 0.50
HSL	338°, 36%, 37%
HSV	338°, 52%, 50%
XYZ	12.1058, 8.4984, 9.5141
YIQ	83.7690, 32.2280, 21.6680

Conversions

Conversions Part 2

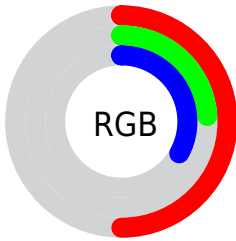
Format	Color
R_{YB}	128, 61, 85
Decimal	8404309
CIE _{Lab}	35.00, 31.74, -0.82
CIE _{LCh}	35, 31.751, 358.523
Yxy	8.4984, 0.4019, 0.2822
Android (android.graphics.Color)	4286594389 (0xFF803D55)
YUV	83.7690, 0.6069, 38.7906
Hunter-Lab	29.1520, 23.1090, 1.0564

Details

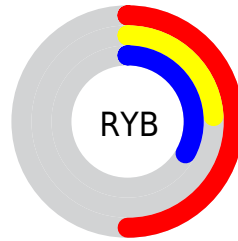
The CIELCh color **35, 31.751, 358.523** is a dark color, and the websafe version is hex **663333**. A complement of this color would be **49, 28.250, 166.506**, and the grayscale version is **35, 0.005, 296.813**.

A 20% lighter version of the original color is **55, 31.706, 358.276**, and **15, 31.631, 358.880** is the 20% darker color. If you saturate the color by 10%, you get **32, 37.318, 0.606**, and if you desaturate by 10%, it is **38, 25.760, 356.824**.

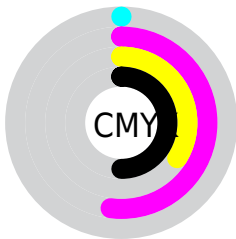
Distribution



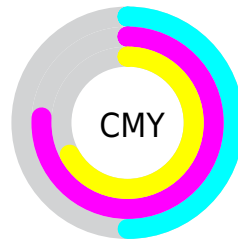
- Red (50%)
- Green (24%)
- Blue (33%)



- Red (50%)
- Yellow (24%)
- Blue (33%)



- Cyan (0%)
- Magenta (52%)
- Yellow (34%)
- Black (50%)





- Cyan (50%)
- Magenta (76%)
- Yellow (67%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 35, 31.751, 358.523 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, 31.751, 358.523 by changing the saturation by 10% instead.


 35, 31.751,
358.523


 35, 31.751,
358.523

 100, 31.751,
358.523


 25, 31.751,
358.523

 55, 31.751,
358.523


 15, 31.751,
358.523


 65, 31.751,
358.523

 5, 31.751, 358.523

 75, 31.751,
358.523

 0, 31.751, 358.523

 85, 31.751,
358.523

 95, 31.751,
358.523

■ 35, 31.751,
358.523

■ 35, 31.751,
358.523

■ 32, 37.318, 0.606

■ 38, 25.760,
356.824

■ 30, 42.192, 3.199

■ 41, 19.587,
355.403

■ 28, 46.126, 6.460

■ 27, 49.006, 10.536

■ 45, 13.406,
354.190

■ 26, 50.980, 13.777

■ 49, 7.334, 353.125

■ 52, 1.440, 352.021

■ 56, 4.241, 171.507

■ 60, 9.695, 170.724

■ 64, 14.924,
170.041

■ 68, 19.938,

Harmonies

Complementary

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



35, 31.751, 358.523



49, 28.250, 166.506

Rectangle

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



35, 31.751, 358.523



35, 31.751, 48.523



35, 31.751, 178.523



35, 31.751, 228.523

Sweetspot

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



35, 31.749, 358.525



61, 11.710, 353.525



33, 43.986, 315.753



31, 7.988, 353.705



85, 0.010, 296.813



36, 0.005, 296.813

Same Dimension

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



35, 31.749, 358.525



42, 46.422, 1.075



36, 28.891, 34.411



25, 3.289, 352.783



26, 50.965, 13.775



0, 0.000, 0.000

Inverse Universe

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



35, 31.749, 358.525



42, 46.422, 1.075



46, 19.523, 213.388



25, 3.289, 352.783



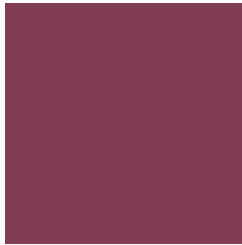
26, 50.965, 13.775



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 35, 31.751, 358.523 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, 31.751, 358.523 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

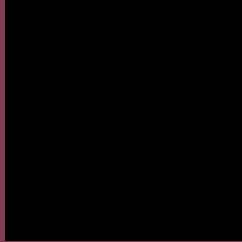
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 35, 31.751, 358.523

Background



This preview shows how black text looks on a background with the CIELCh color 35, 31.751, 358.523.

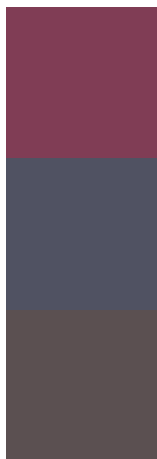


This preview shows how white text looks on a background with the CIELCh color 35, 31.751, 358.523.

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, 31.751, 358.523

Protanopia
35, 9.995, 287.301

Deuteranopia
35, 4.862, 12.761



Tritanopia
35, 28.868, 19.859

Trichromacy



Original Color
35, 31.751, 358.523

Protanomaly
34, 15.284, 330.991

Deuteranomaly
35, 14.714, 359.686

Tritanomaly
35, 29.465, 11.996

Monochromacy



Original Color
35, 31.751, 358.523

Achromatopsia
35, 0.005, 296.813

Achromatomaly
35, 11.847, 353.231

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 35, 31.751, 358.523 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(128, 61, 85)` looks like.

```
.text, #text, p{  
    color:rgb(128, 61, 85)  
}
```

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(128, 61, 85) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 61, 85) }
```

Border

The CSS property to change the border of an element to CIELCh 35, 31.751, 358.523 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(128, 61, 85) }
```

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

```
.border{ border-color:rgb(128, 61, 85) }
```

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

Here you see how a box with a 4 pixel rgb(128, 61, 85) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 61, 85); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 61, 85);  
box-shadow:4px 4px 4px 4px rgb(128, 61,  
85) }
```

Background

The CSS property to change the background color of an element to CIELCh 35, 31.751, 358.523 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 61, 85) }
```

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

```
.background{ background-color: rgb(128, 61,  
85) }
```

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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