

Converting Colors

CIELCh(31, 57.565, 321.797)

Have a look what the booklet for
CIELCh(31, 57.565, 321.797)
contains.

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Color

CIELCh(31, 57.556, 321.954)

Conversions

Conversions Part 1

Format	Color
Hex	712881
RGB	113, 40, 129
RGB Percent	44%, 16%, 51%
CMY	0.5559, 0.8422, 0.4932
CMYK	0.12, 0.69, 0.00, 0.49
HSL	289°, 53%, 33%
HSV	289°, 69%, 51%
XYZ	11.5857, 6.6515, 21.5235
YIQ	71.9730, 14.9390, 43.1550

Conversions

Conversions Part 2

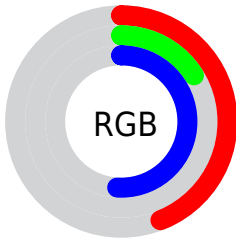
Format	Color
RYB	113, 40, 129
Decimal	7415937
CIELab	31.00, 45.33, -35.47
CIElCh	31, 57.556, 321.954
Yxy	6.6515, 0.2914, 0.1673
Android (android.graphics.Color)	4285606017 (0xFF712881)
YUV	71.9730, 28.1143, 35.9807
Hunter-Lab	25.7905, 35.0533, -31.4273

Details

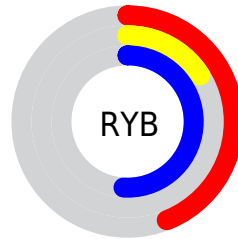
The CIELCh color **31, 57.556, 321.954** is a dark color, and the websafe version is hex **660066**. A complement of this color would be **48, 56.752, 135.312**, and the grayscale version is **31, 0.005, 296.813**.

A 20% lighter version of the original color is **51, 57.551, 321.996**, and **13, 50.420, 320.418** is the 20% darker color. If you saturate the color by 10%, you get **29, 63.371, 322.014**, and if you desaturate by 10%, it is **34, 50.492, 321.753**.

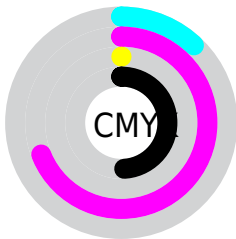
Distribution



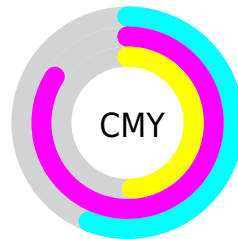
- Red (44%)
- Green (16%)
- Blue (51%)



- Red (44%)
- Yellow (16%)
- Blue (51%)



- Cyan (12%)
- Magenta (69%)
- Yellow (0%)
- Black (49%)





- Cyan (56%)
- Magenta (84%)
- Yellow (49%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 31, 57.556, 321.954 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 31, 57.556, 321.954 by changing the saturation by 10% instead.


 31, 57.556,
321.954


 31, 57.556,
321.954

 100, 57.556,
321.954


 21, 57.556,
321.954

 51, 57.556,
321.954


 11, 57.556,
321.954


 61, 57.556,
321.954

 1, 57.556, 321.954

 71, 57.556,
321.954

 0, 57.556, 321.954

 81, 57.556,
321.954

 91, 57.556,
321.954

■ 31, 57.556,
321.954

■ 31, 57.556,
321.954

■ 29, 63.371,
322.014

■ 34, 50.492,
321.753

■ 27, 67.613,
321.897

■ 37, 42.552,
321.449

■ 26, 70.546,
321.639

■ 40, 34.071,
321.075

■ 26, 70.882,
321.612

■ 43, 25.313,
320.660

■ 47, 16.473,
320.223

■ 51, 7.684, 319.776

■ 55, 0.970, 139.528

■ 58, 9.435, 138.973

■ 62, 17.684,
138.575

Harmonies

Complementary

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



31, 57.556, 321.954



48, 56.752, 135.312

Rectangle

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



31, 57.556, 321.954



31, 57.556, 11.954



31, 57.556, 141.954



31, 57.556, 191.954

Sweetspot

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



31, 57.555, 321.954



59, 22.794, 320.339



27, 47.102, 293.864



29, 15.372, 320.438



85, 0.010, 296.813



36, 0.005, 296.813

Same Dimension

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



31, 57.555, 321.954



37, 80.224, 321.966



32, 47.292, 340.746



25, 4.834, 319.786



25, 70.193, 321.620



0, 0.000, 0.000

Inverse Universe

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



31, 41.006, 16.213



37, 59.848, 22.296



48, 47.730, 147.790



25, 3.032, 5.538



26, 55.413, 29.082



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 31, 57.556, 321.954 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 31, 57.556, 321.954 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

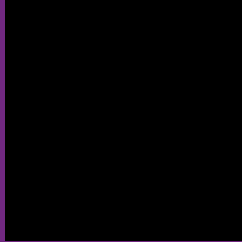
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 31, 57.556, 321.954

Background



This preview shows how black text looks on a background with the CIELCh color 31, 57.556, 321.954.



This preview shows how white text looks on a background with the CIELCh color 31, 57.556, 321.954.

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

31, 57.556, 321.954

Protanopia

31, 50.990, 286.117

Deuteranopia

31, 31.839, 278.841



Tritanopia
31, 20.653, 14.670

Trichromacy



Original Color
31, 57.556, 321.954

Protanomaly
29, 53.068, 294.582

Deuteranomaly
30, 40.336, 299.206

Tritanomaly
31, 31.354, 340.184

Monochromacy



Original Color
31, 57.556, 321.954

Achromatopsia
31, 0.005, 296.813

Achromatomaly
30, 23.740, 320.820

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 31, 57.556, 321.954 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(113, 40, 129)` looks like.

```
.text, #text, p{  
    color:rgb(113, 40, 129)  
}
```

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(113, 40, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(113, 40, 129) }
```

Border

The CSS property to change the border of an element to CIELCh 31, 57.556, 321.954 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(113, 40, 129) }
```

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

```
.border{ border-color:rgb(113, 40, 129) }
```

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

Here you see how a box with a 4 pixel `rgb(113, 40, 129)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(113, 40, 129); -webkit-box-  
shadow:4px 4px 4px 4px rgb(113, 40, 129);  
box-shadow:4px 4px 4px 4px rgb(113, 40,  
129) }
```

Background

The CSS property to change the background color of an element to CIELCh 31, 57.556, 321.954 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(113, 40, 129) }
```

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

```
.background{ background-color: rgb(113, 40,  
129) }
```

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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