

Converting Colors

CIELCh(31, 51.804, 335.944)

Have a look what the booklet for
CIELCh(31, 51.804, 335.944)
contains.

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Color

CIELCh(31, 51.748, 335.694)

Conversions

Conversions Part 1

Format	Color
Hex	7E226B
RGB	126, 34, 107
RGB Percent	49%, 13%, 42%
CMY	0.5056, 0.8664, 0.5802
CMYK	0.00, 0.73, 0.15, 0.51
HSL	312°, 57%, 31%
HSV	312°, 73%, 49%
XYZ	11.8449, 6.6515, 14.5860
YIQ	69.8300, 31.3990, 42.2070

Conversions

Conversions Part 2

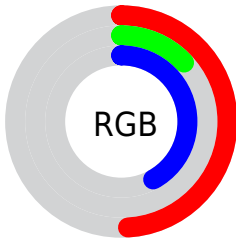
Format	Color
R_{YB}	126, 34, 107
Decimal	8266347
CIE _{Lab}	31.00, 47.16, -21.30
CIE _{LCh}	31, 51.748, 335.694
Yxy	6.6515, 0.3580, 0.2011
Android (android.graphics.Color)	4286456427 (0xFF7E226B)
YUV	69.8300, 18.3248, 49.2611
Hunter-Lab	25.7905, 36.8468, -15.4785

Details

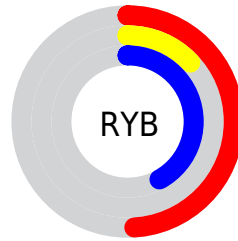
The CIELCh color **31, 51.748, 335.694** is a dark color, and the websafe version is hex **660066**. A complement of this color would be **46, 53.316, 143.416**, and the grayscale version is **30, 0.005, 296.813**.

A 20% lighter version of the original color is **51, 52.103, 335.370**, and **14, 40.938, 336.562** is the 20% darker color. If you saturate the color by 10%, you get **29, 55.482, 336.536**, and if you desaturate by 10%, it is **33, 46.595, 334.919**.

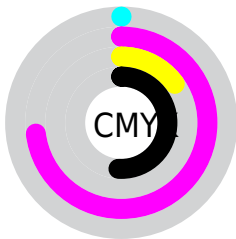
Distribution



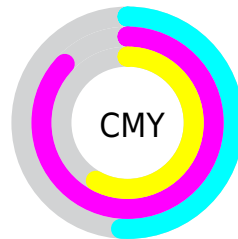
- Red (49%)
- Green (13%)
- Blue (42%)



- Red (49%)
- Yellow (13%)
- Blue (42%)



- Cyan (0%)
- Magenta (73%)
- Yellow (15%)
- Black (51%)





- Cyan (51%)
- Magenta (87%)
- Yellow (58%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 31, 51.748, 335.694 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, 51.748, 335.694 by changing the saturation by 10% instead.


 31, 51.748,
335.694


 31, 51.748,
335.694

 100, 51.748,
335.694

 21, 51.748,
335.694

 51, 51.748,
335.694


 11, 51.748,
335.694


 61, 51.748,
335.694

 1, 51.748, 335.694

 71, 51.748,
335.694

 0, 51.748, 335.694

 81, 51.748,
335.694

 91, 51.748,
335.694

■ 31, 51.748,
335.694

■ 31, 51.748,
335.694

■ 29, 55.482,
336.536

■ 33, 46.595,
334.919

■ 28, 57.630,
337.475

■ 36, 40.330,
334.188

■ 28, 58.715,
338.158

■ 38, 33.279,
333.489

■ 41, 25.740,
332.813

■ 45, 17.954,
332.158

■ 48, 10.100,
331.520

■ 52, 2.299, 330.841

■ 55, 5.368, 150.398

■ 59, 12.855,
149.820

Harmonies

Complementary

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



31, 51.748, 335.694



46, 53.316, 143.416

Rectangle

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



31, 51.748, 335.694



31, 51.748, 25.694



31, 51.748, 155.694



31, 51.748, 205.694

Sweetspot

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



31, 51.746, 335.694



58, 21.237, 332.128



22, 60.143, 305.251



28, 14.201, 332.267



84, 0.010, 296.813



35, 0.005, 296.813

Same Dimension

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



31, 51.746, 335.694



38, 68.997, 337.189



29, 41.813, 7.958



25, 4.419, 331.274



28, 59.186, 338.172



0, 0.000, 0.000

Inverse Universe

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



31, 51.746, 335.694



38, 68.997, 337.189



47, 34.386, 167.528



25, 4.419, 331.274



28, 59.186, 338.172



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 31, 51.748, 335.694 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 31, 51.748, 335.694 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

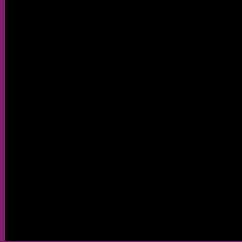
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 31, 51.748, 335.694

Background



This preview shows how black text looks on a background with the CIELCh color 31, 51.748, 335.694.



This preview shows how white text looks on a background with the CIELCh color 31, 51.748, 335.694.

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





Tritanopia
31, 33.605, 23.272

Trichromacy



Original Color
31, 51.748, 335.694

Protanomaly
29, 44.363, 302.701

Deuteranomaly
30, 30.166, 316.151

Tritanomaly
31, 36.712, 0.734

Monochromacy



Original Color
31, 51.748, 335.694

Achromatopsia
30, 0.005, 296.813

Achromatomaly
29, 21.583, 333.175

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 31, 51.748, 335.694 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(126, 34, 107)` looks like.

```
.text, #text, p{  
    color:rgb(126, 34, 107)  
}
```

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(126, 34, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(126, 34, 107) }
```

Border

The CSS property to change the border of an element to CIELCh 31, 51.748, 335.694 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(126, 34, 107) }
```

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

```
.border{ border-color:rgb(126, 34, 107) }
```

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

Here you see how a box with a 4 pixel `rgb(126, 34, 107)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(126, 34, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(126, 34, 107);  
box-shadow:4px 4px 4px 4px rgb(126, 34,  
107) }
```

Background

The CSS property to change the background color of an element to CIELCh 31, 51.748, 335.694 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(126, 34, 107) }
```

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

```
.background{ background-color: rgb(126, 34,  
107) }
```

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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