

Converting Colors

CIELCh(31, 34.751, 2.070)

Have a look what the booklet for
CIELCh(31, 34.751, 2.070) contains.

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Color

CIELCh(31, 34.408, 2.252)

Conversions

Conversions Part 1

Format	Color
Hex	793048
RGB	121, 48, 72
RGB Percent	47%, 19%, 28%
CMY	0.5254, 0.8116, 0.7175
CMYK	0.00, 0.60, 0.40, 0.53
HSL	340°, 43%, 33%
HSV	340°, 60%, 47%
XYZ	10.1180, 6.6515, 6.8859
YIQ	72.5630, 35.8040, 22.9400

Conversions

Conversions Part 2

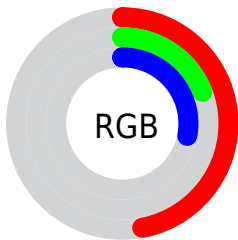
Format	Color
RYB	121, 48, 72
Decimal	7942216
CIELab	31.00, 34.38, 1.35
CIElCh	31, 34.408, 2.252
Yxy	6.6515, 0.4277, 0.2812
Android (android.graphics.Color)	4286132296 (0xFF793048)
YUV	72.5630, -0.2776, 42.4792
Hunter-Lab	25.7905, 24.8950, 2.2234

Details

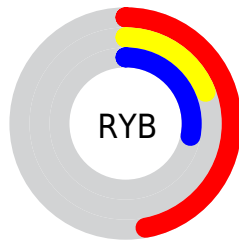
The CIELCh color $[31, 34.408, 2.252]$ is a dark color, and the websafe version is hex `660033`. A complement of this color would be $[46, 29.634, 167.453]$, and the grayscale version is $[31, 0.005, 296.813]$.

A 20% lighter version of the original color is $[51, 34.147, 2.782]$, and $[12, 33.009, 3.753]$ is the 20% darker color. If you saturate the color by 10%, you get $[29, 39.342, 4.800]$, and if you desaturate by 10%, it is $[34, 28.919, 0.206]$.

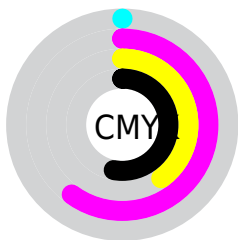
Distribution



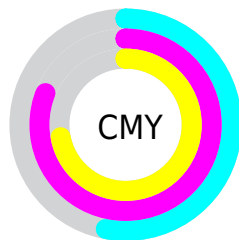
- Red (47%)
- Green (19%)
- Blue (28%)



- Red (47%)
- Yellow (19%)
- Blue (28%)



- Cyan (0%)
- Magenta (60%)
- Yellow (40%)
- Black (53%)



- Cyan (53%)
- Magenta (81%)
- Yellow (72%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 31, 34.408, 2.252 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, 34.408, 2.252 by changing the saturation by 10% instead.

 31, 34.408, 2.252  31, 34.408, 2.252

 100, 34.408, 2.252  21, 34.408, 2.252


 51, 34.408, 2.252  11, 34.408, 2.252

 61, 34.408, 2.252  1, 34.408, 2.252

 71, 34.408, 2.252  0, 34.408, 2.252

 81, 34.408, 2.252

 91, 34.408, 2.252

 31, 34.408, 2.252  31, 34.408, 2.252

 29, 39.342, 4.800  34, 28.919, 0.206

 27, 43.490, 7.997  37, 23.128,

■ 25, 46.708, 11.989

358.530

■ 24, 49.455, 16.214

■ 40, 17.236,
357.130

■ 44, 11.391,
355.934

■ 47, 5.686, 354.878

■ 51, 0.174, 352.167

■ 54, 5.121, 173.290

■ 58, 10.193,
172.536

■ 62, 15.047,
171.869

Harmonies

Complementary

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



31, 34.408, 2.252



46, 29.634, 167.453

Rectangle

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



31, 34.408, 2.252



31, 34.408, 52.252



31, 34.408, 182.252



31, 34.408, 232.252

Sweetspot

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



31, 34.406, 2.254



57, 12.523, 355.728



29, 48.265, 317.018



28, 8.687, 355.994



83, 0.010, 296.813



34, 0.005, 296.813

Same Dimension

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



31, 34.406, 2.254



37, 49.642, 5.832



33, 31.943, 37.729



24, 3.126, 354.752



25, 50.635, 16.415



53, 86.396, 19.675

Inverse Universe

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



31, 34.406, 2.254



37, 49.642, 5.832



43, 20.205, 218.930



24, 3.126, 354.752



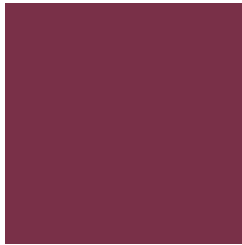
25, 50.635, 16.415



53, 86.396, 19.675

Previews

White Background



This preview shows how the CIE LCh color 31, 34.408, 2.252 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, 34.408, 2.252 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

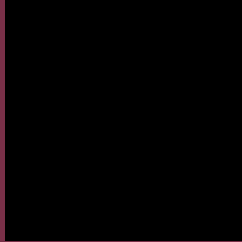
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 31, 34.408, 2.252

Background



This preview shows how black text looks on a background with the CIELCh color 31, 34.408, 2.252.



This preview shows how white text looks on a background with the CIELCh color 31, 34.408, 2.252.

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, 34.408, 2.252

Protanopia

31, 8.927, 286.590

Deuteranopia

31, 5.608, 33.194



Tritanopia
31, 32.992, 22.080

Trichromacy



Original Color
31, 34.408, 2.252

Protanomaly
30, 15.668, 335.289

Deuteranomaly
31, 16.071, 6.547

Tritanomaly
31, 32.808, 14.852

Monochromacy



Original Color
31, 34.408, 2.252

Achromatopsia
31, 0.005, 296.813

Achromatomaly
30, 12.932, 355.635

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 31, 34.408, 2.252 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(121, 48, 72)` looks like.

```
.text, #text, p{  
    color:rgb(121, 48, 72)  
}
```

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(121, 48, 72) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(121, 48, 72) }
```

Border

The CSS property to change the border of an element to CIELCh 31, 34.408, 2.252 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(121, 48, 72) }
```

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

```
.border{ border-color:rgb(121, 48, 72) }
```

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

Here you see how a box with a 4 pixel `rgb(121, 48, 72)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(121, 48, 72); -webkit-box-  
shadow:4px 4px 4px 4px rgb(121, 48, 72);  
box-shadow:4px 4px 4px 4px rgb(121, 48,  
72) }
```

Background

The CSS property to change the background color of an element to CIELCh 31, 34.408, 2.252 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(121, 48, 72) }
```

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

```
.background{ background-color: rgb(121, 48,  
72) }
```

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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