

Converting Colors

CIELCh(31, 48.636, 329.168)

Have a look what the booklet for
CIELCh(31, 48.636, 329.168)
contains.

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Color

CIELCh(31, 48.793, 329.157)

Conversions

Conversions Part 1

Format	Color
Hex	752B71
RGB	117, 43, 113
RGB Percent	46%, 17%, 44%
CMY	0.5424, 0.8326, 0.5580
CMYK	0.00, 0.63, 0.03, 0.54
HSL	303°, 46%, 31%
HSV	303°, 63%, 46%
XYZ	11.1110, 6.6515, 16.2331
YIQ	73.1060, 21.6340, 37.4580

Conversions

Conversions Part 2

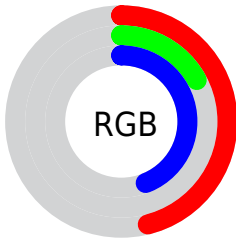
Format	Color
R _Y B	117, 43, 113
Decimal	7678833
CIE Lab	31.00, 41.89, -25.02
CIE LCh	31, 48.793, 329.157
Yxy	6.6515, 0.3268, 0.1957
Android (android.graphics.Color)	4285868913 (0xFF752B71)
YUV	73.1060, 19.6677, 38.4950
Hunter-Lab	25.7905, 31.7672, -19.2652

Details

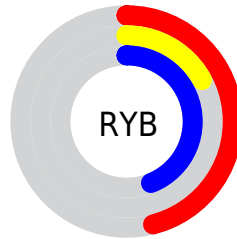
The CIELCh color **31, 48.793, 329.157** is a dark color, and the websafe version is hex **663366**. A complement of this color would be **43, 49.485, 140.496**, and the grayscale version is **31, 0.005, 296.813**.

A 20% lighter version of the original color is **51, 48.590, 329.133**, and **13, 43.353, 328.773** is the 20% darker color. If you saturate the color by 10%, you get **29, 54.205, 329.561**, and if you desaturate by 10%, it is **33, 42.285, 328.706**.

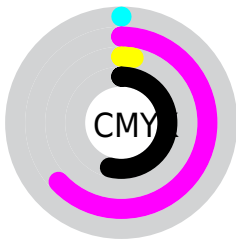
Distribution



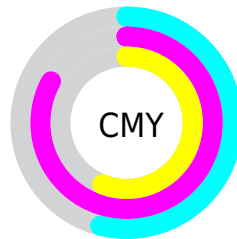
- Red (46%)
- Green (17%)
- Blue (44%)



- Red (46%)
- Yellow (17%)
- Blue (44%)



- Cyan (0%)
- Magenta (63%)
- Yellow (3%)
- Black (54%)




- Cyan (54%)
- Magenta (83%)
- Yellow (56%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 31, 48.793, 329.157 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, 48.793, 329.157 by changing the saturation by 10% instead.


 31, 48.793,
329.157


 31, 48.793,
329.157

 100, 48.793,
329.157


 21, 48.793,
329.157

 51, 48.793,
329.157


 11, 48.793,
329.157


 61, 48.793,
329.157

 1, 48.793, 329.157

 71, 48.793,
329.157

 0, 48.793, 329.157

 81, 48.793,
329.157

 91, 48.793,
329.157

■ 31, 48.793,
329.157

■ 31, 48.793,
329.157

■ 29, 54.205,
329.561

■ 33, 42.285,
328.706

■ 28, 58.267,
329.913

■ 36, 34.985,
328.216

■ 27, 60.863,
330.216

■ 39, 27.173,
327.699

■ 26, 62.293,
330.403

■ 42, 19.085,
327.164

■ 45, 10.904,
326.619

■ 48, 2.758, 326.034

■ 51, 5.266, 145.610

■ 55, 13.112,
145.080

■ 58, 20.751,
144.584

Harmonies

Complementary

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



31, 48.793, 329.157



43, 49.485, 140.496

Rectangle

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



31, 48.793, 329.157



31, 48.793, 19.157



31, 48.793, 149.157



31, 48.793, 199.157

Sweetspot

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



31, 48.791, 329.157



55, 19.066, 326.950



22, 49.001, 300.692



27, 13.229, 327.075



82, 0.010, 296.813



33, 0.005, 296.813

Same Dimension

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



31, 48.791, 329.157



38, 67.538, 329.725



29, 36.225, 354.110



23, 4.586, 326.376



28, 64.447, 330.415



58, 109.016, 330.543

Inverse Universe

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



31, 48.791, 329.157



38, 67.538, 329.725



44, 33.505, 159.498



23, 4.586, 326.376



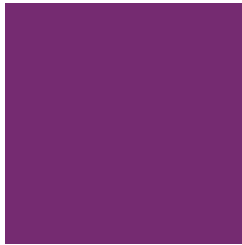
28, 64.447, 330.415



58, 109.016, 330.543

Previews

White Background



This preview shows how the CIELCh color 31, 48.793, 329.157 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, 48.793, 329.157 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

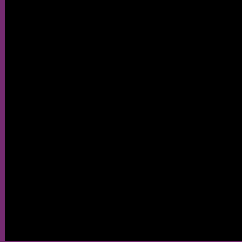
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 31, 48.793, 329.157

Background



This preview shows how black text looks on a background with the CIELCh color 31, 48.793, 329.157.

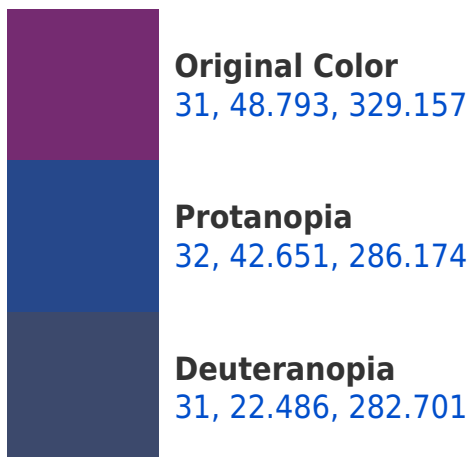


This preview shows how white text looks on a background with the CIELCh color 31, 48.793, 329.157.

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, 25.072, 18.635

Trichromacy



Original Color
31, 48.793, 329.157

Protanomaly
30, 43.484, 299.835

Deuteranomaly
30, 31.502, 307.825

Tritanomaly
31, 30.732, 351.810

Monochromacy



Original Color
31, 48.793, 329.157

Achromatopsia
31, 0.005, 296.813

Achromatomaly
30, 19.501, 328.089

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 31, 48.793, 329.157 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(117, 43, 113)` looks like.

```
.text, #text, p{  
    color:rgb(117, 43, 113)  
}
```

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(117, 43, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 43, 113) }
```

Border

The CSS property to change the border of an element to CIELCh 31, 48.793, 329.157 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(117, 43, 113) }
```

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

```
.border{ border-color:rgb(117, 43, 113) }
```

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

Here you see how a box with a 4 pixel `rgb(117, 43, 113)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 43, 113); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 43, 113);  
box-shadow:4px 4px 4px 4px rgb(117, 43,  
113) }
```

Background

The CSS property to change the background color of an element to CIELCh 31, 48.793, 329.157 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 43, 113) }
```

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

```
.background{ background-color: rgb(117, 43,  
113) }
```

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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