

Converting Colors

CIELCh(31, 2.889, 314.112)

Have a look what the booklet for
CIELCh(31, 2.889, 314.112) contains.

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Color

CIELCh(31, 2.878, 317.461)

Conversions

Conversions Part 1

Format	Color
Hex	4B484C
RGB	75, 72, 76
RGB Percent	29%, 28%, 30%
CMY	0.7059, 0.7177, 0.7020
CMYK	0.01, 0.05, 0.00, 0.70
HSL	285°, 3%, 29%
HSV	285°, 5%, 30%
XYZ	6.5227, 6.6515, 7.7767
YIQ	73.3530, 0.5040, 1.8800

Conversions

Conversions Part 2

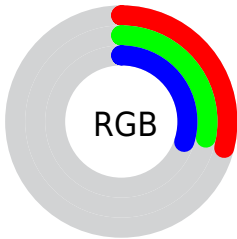
Format	Color
R_{YB}	75, 72, 76
Decimal	4933708
CIE Lab	31.00, 2.12, -1.95
CIE LCh	31, 2.878, 317.461
Yxy	6.6515, 0.3113, 0.3175
Android (android.graphics.Color)	4283123788 (0xFF4B484C)
YUV	73.3530, 1.3050, 1.4444
Hunter-Lab	25.7905, 0.0110, 0.1755

Details

The CIELCh color **31, 2.878, 317.461** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **32, 2.860, 137.123**, and the grayscale version is **31, 0.005, 296.813**.

A 20% lighter version of the original color is **51, 3.343, 318.936**, and **11, 2.419, 314.935** is the 20% darker color. If you saturate the color by 10%, you get **29, 8.414, 317.869**, and if you desaturate by 10%, it is **34, 2.554, 137.156**.

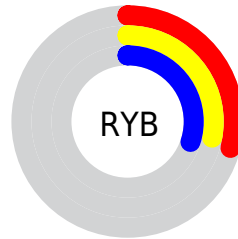
Distribution



Red (29%)

Green (28%)

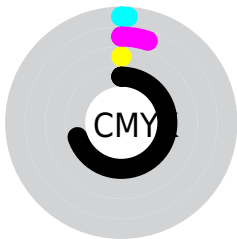
Blue (30%)



Red (29%)

Yellow (28%)

Blue (30%)

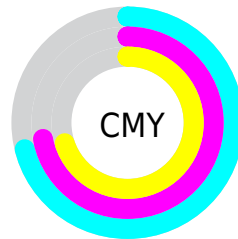


Cyan (1%)

Magenta (5%)

Yellow (0%)

Black (70%)



Cyan (71%)

Magenta (72%)

Yellow (70%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 31, 2.878, 317.461 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, 2.878, 317.461 by changing the saturation by 10% instead.

■ 31, 2.878, 317.461

■ 31, 2.878, 317.461

100, 2.878,
317.461

■ 21, 2.878, 317.461

■ 51, 2.878, 317.461

■ 11, 2.878, 317.461

■ 61, 2.878, 317.461

■ 1, 2.878, 317.461

■ 71, 2.878, 317.461

■ 0, 2.878, 317.461

■ 81, 2.878, 317.461

■ 91, 2.878, 317.461

■ 31, 2.878, 317.461

■ 31, 2.878, 317.461

■ 29, 8.414, 317.869

■ 34, 2.554, 137.156

26, 14.025,
318.269

36, 7.861, 136.775

24, 19.659,
318.661

39, 13.034,
136.437

21, 25.236,
319.032

41, 18.071,
136.125

19, 30.644,
319.361

44, 22.971,
135.838

17, 35.727,
319.618

46, 27.738,
135.576

15, 40.288,
319.771

49, 32.378,
135.336

14, 44.104,
319.779

51, 36.895,
135.117

13, 47.490,
319.731

54, 41.295,
134.920

Harmonies

Complementary

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



31, 2.878, 317.461



32, 2.860, 137.123

Rectangle

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



31, 2.878, 317.461



31, 2.878, 7.461



31, 2.878, 137.461



31, 2.878, 187.461

Sweetspot

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



31, 2.877, 317.458



42, 1.365, 317.285



31, 1.917, 276.719



21, 0.783, 317.267



73, 0.009, 296.813



21, 0.004, 296.813

Same Dimension

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



31, 2.877, 317.458



40, 4.102, 317.501



31, 2.634, 331.961



14, 2.149, 317.494



18, 60.434, 319.443



45, 109.673, 318.871

Inverse Universe

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



31, 1.880, 359.818



40, 2.683, 359.922



32, 2.623, 151.477



14, 1.405, 359.905



20, 44.949, 21.947



48, 83.691, 26.332

Previews

White Background



This preview shows how the CIELCh color 31, 2.878, 317.461 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, 2.878, 317.461 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

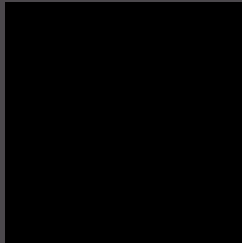
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 31, 2.878, 317.461

Background



This preview shows how black text looks on a background with the CIELCh color 31, 2.878, 317.461.

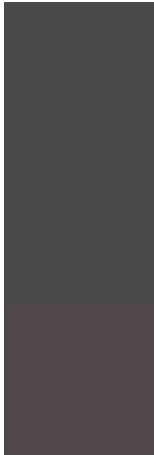


This preview shows how white text looks on a background with the CIELCh color 31, 2.878, 317.461.

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, 2.878, 317.461

Protanopia

31, 1.913, 290.542

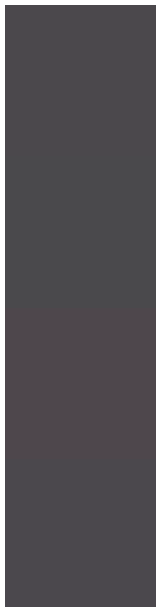
Deuteranopia

31, 4.747, 338.121



Tritanopia
31, 3.457, 312.704

Trichromacy



Original Color

31, 2.878, 317.461

Protanomaly

31, 1.966, 303.225

Deuteranomaly

31, 4.432, 334.221

Tritanomaly

31, 3.457, 312.704

Monochromacy



Original Color

31, 2.878, 317.461

Achromatopsia

31, 0.005, 296.813

Achromatomaly

31, 0.780, 324.346

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 31, 2.878, 317.461 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(75, 72, 76)` looks like.

```
.text, #text, p{  
  color:rgb(75, 72, 76)  
}
```

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(75, 72, 76) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(75, 72, 76) }
```

Border

The CSS property to change the border of an element to CIELCh 31, 2.878, 317.461 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(75, 72, 76) }
```

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

```
.border{ border-color:rgb(75, 72, 76) }
```

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

Here you see how a box with a 4 pixel rgb(75, 72, 76) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(75, 72, 76); -webkit-box-  
shadow:4px 4px 4px 4px rgb(75, 72, 76);  
box-shadow:4px 4px 4px 4px rgb(75, 72, 76)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 31, 2.878, 317.461 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(75, 72, 76) }
```

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

```
.background{ background-color: rgb(75, 72,  
76) }
```

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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