

Converting Colors

CIELCh(31, 7.145, 316.722)

Have a look what the booklet for
CIELCh(31, 7.145, 316.722) contains.

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Color

CIELCh(31, 7.067, 316.190)

Conversions

Conversions Part 1

Format	Color
Hex	4E4751
RGB	78, 71, 81
RGB Percent	31%, 28%, 32%
CMY	0.6956, 0.7230, 0.6838
CMYK	0.04, 0.12, 0.00, 0.68
HSL	282°, 7%, 30%
HSV	282°, 12%, 32%
XYZ	6.8116, 6.6515, 8.6349
YIQ	74.2330, 0.9620, 4.5940

Conversions

Conversions Part 2

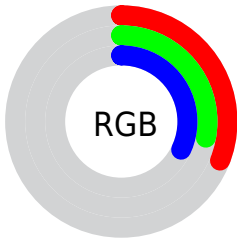
Format	Color
R_YB	78, 71, 81
Decimal	5130065
CIE Lab	31.00, 5.10, -4.89
CIE LCh	31, 7.067, 316.190
Yxy	6.6515, 0.3082, 0.3010
Android (android.graphics.Color)	4283320145 (0xFF4E4751)
YUV	74.2330, 3.3361, 3.3037
Hunter-Lab	25.7905, 2.0109, -1.7974

Details

The CIELCh color **31, 7.067, 316.190** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **33, 7.001, 135.256**, and the grayscale version is **31, 0.005, 296.813**.

A 20% lighter version of the original color is **51, 7.182, 316.914**, and **11, 6.546, 318.019** is the 20% darker color. If you saturate the color by 10%, you get **28, 12.879, 316.589**, and if you desaturate by 10%, it is **34, 1.353, 315.751**.

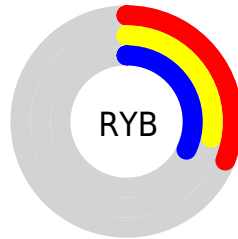
Distribution



Red (31%)

Green (28%)

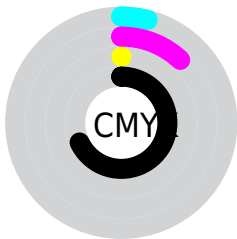
Blue (32%)



Red (31%)

Yellow (28%)

Blue (32%)

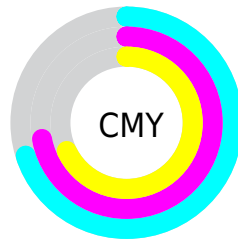


Cyan (4%)

Magenta (12%)

Yellow (0%)

Black (68%)



Cyan (70%)

Magenta (72%)

Yellow (68%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 31, 7.067, 316.190 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, 7.067, 316.190 by changing the saturation by 10% instead.

■ 31, 7.067, 316.190

■ 31, 7.067, 316.190

■ 100, 7.067,
316.190

■ 21, 7.067, 316.190

■ 51, 7.067, 316.190

■ 11, 7.067, 316.190

■ 61, 7.067, 316.190

■ 1, 7.067, 316.190

■ 71, 7.067, 316.190

■ 0, 7.067, 316.190

■ 81, 7.067, 316.190

■ 91, 7.067, 316.190

■ 31, 7.067, 316.190

■ 31, 7.067, 316.190

■ 28, 12.879,
316.589

■ 34, 1.353, 315.751

26, 18.749,
316.989

36, 4.235, 135.481

23, 24.610,
317.375

39, 9.685, 135.129

21, 30.358,
317.727

42, 14.992,
134.811

19, 35.846,
318.017

44, 20.155,
134.521

17, 40.876,
318.207

47, 25.177,
134.256

15, 45.208,
318.252

50, 30.062,
134.016

13, 48.775,
318.150

52, 34.817,
133.799

12, 51.683,
318.165

55, 39.448,
133.605

Harmonies

Complementary

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



31, 7.067, 316.190



33, 7.001, 135.256

Rectangle

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



31, 7.067, 316.190



31, 7.067, 6.190



31, 7.067, 136.190



31, 7.067, 186.190

Sweetspot

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



31, 7.066, 316.189



43, 2.807, 315.846



31, 4.511, 273.937



21, 2.012, 315.870



74, 0.009, 296.813



22, 0.004, 296.813

Same Dimension

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



31, 7.066, 316.189



39, 10.634, 316.314



31, 6.780, 330.621



15, 3.208, 316.042



18, 62.003, 317.852



44, 111.596, 317.223

Inverse Universe

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



31, 4.828, 356.986



39, 7.286, 357.298



33, 6.760, 149.243



15, 2.184, 356.628



20, 44.830, 17.791



49, 82.057, 22.019

Previews

White Background



This preview shows how the CIELCh color 31, 7.067, 316.190 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, 7.067, 316.190 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

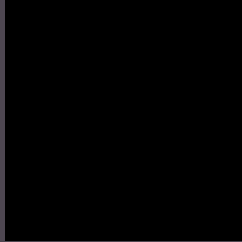
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 31, 7.067, 316.190

Background



This preview shows how black text looks on a background with the CIELCh color 31, 7.067, 316.190.



This preview shows how white text looks on a background with the CIELCh color 31, 7.067, 316.190.

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, 7.067, 316.190

Protanopia

31, 6.379, 291.342

Deuteranopia

31, 6.898, 312.945



Tritanopia
31, 4.648, 324.798

Trichromacy



Original Color

31, 7.067, 316.190

Protanomaly

31, 5.813, 299.540

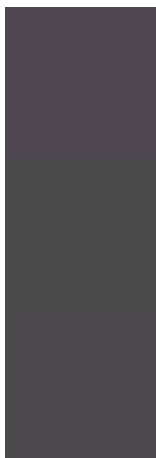
Deuteranomaly

31, 6.898, 312.945

Tritanomaly

31, 5.184, 320.845

Monochromacy



Original Color

31, 7.067, 316.190

Achromatopsia

31, 0.005, 296.813

Achromatomaly

31, 2.109, 314.774

CSS Examples

Text

The CSS property to change the color of the text to CIElCh 31, 7.067, 316.190 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(78, 71, 81)` looks like.

```
.text, #text, p{  
    color:rgb(78, 71, 81)  
}
```

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(78, 71, 81) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(78, 71, 81) }
```

Border

The CSS property to change the border of an element to CIELCh 31, 7.067, 316.190 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(78, 71, 81) }
```

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

```
.border{ border-color:rgb(78, 71, 81) }
```

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

Here you see how a box with a 4 pixel `rgb(78, 71, 81)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(78, 71, 81); -webkit-box-  
shadow:4px 4px 4px 4px rgb(78, 71, 81);  
box-shadow:4px 4px 4px 4px rgb(78, 71, 81)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 31, 7.067, 316.190 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(78, 71, 81) }
```

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

```
.background{ background-color: rgb(78, 71,  
81) }
```

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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