

Converting Colors

CIELCh(30, 4.163, 309.924)

Have a look what the booklet for
CIELCh(30, 4.163, 309.924) contains.

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Color

CIELCh(30, 4.832, 311.859)

Conversions

Conversions Part 1

Format	Color
Hex	49454C
RGB	73, 69, 76
RGB Percent	29%, 27%, 30%
CMY	0.7128, 0.7285, 0.7010
CMYK	0.04, 0.09, 0.00, 0.70
HSL	274°, 5%, 29%
HSV	274°, 9%, 30%
XYZ	6.2209, 6.2359, 7.7567
YIQ	70.9940, 0.1370, 3.0250

Conversions

Conversions Part 2

Format	Color
R_YB	73, 69, 76
Decimal	4801868
CIE Lab	30.00, 3.22, -3.60
CIE LCh	30, 4.832, 311.859
Yxy	6.2359, 0.3078, 0.3085
Android (android.graphics.Color)	4282991948 (0xFF49454C)
YUV	70.9940, 2.4680, 1.7593
Hunter-Lab	24.9718, 0.7670, -0.9363

Details

The CIELCh color **30, 4.832, 311.859** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **32, 4.780, 131.188**, and the grayscale version is **30, 0.005, 296.813**.

A 20% lighter version of the original color is **50, 5.114, 313.543**, and **10, 4.700, 309.696** is the 20% darker color. If you saturate the color by 10%, you get **27, 10.205, 312.269**, and if you desaturate by 10%, it is **33, 0.418, 131.663**.

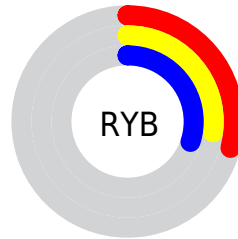
Distribution



Red (29%)

Green (27%)

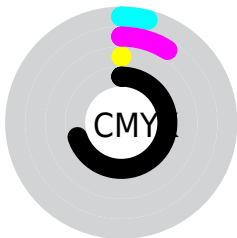
Blue (30%)



Red (29%)

Yellow (27%)

Blue (30%)

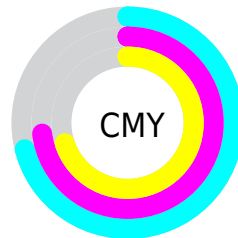


Cyan (4%)

Magenta (9%)

Yellow (0%)

Black (70%)



Cyan (71%)

Magenta (73%)

Yellow (70%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 30, 4.832, 311.859 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 30, 4.832, 311.859 by changing the saturation by 10% instead.

■ 30, 4.832, 311.859

■ 30, 4.832, 311.859

■ 100, 4.832,
311.859

■ 20, 4.832, 311.859

■ 50, 4.832, 311.859

■ 10, 4.832, 311.859

■ 60, 4.832, 311.859

■ 0, 4.832, 311.859

■ 70, 4.832, 311.859

■ 80, 4.832, 311.859

■ 90, 4.832, 311.859

■ 30, 4.832, 311.859

■ 30, 4.832, 311.859

■ 27, 10.205,
312.269

■ 33, 0.418, 131.663

■ 25, 15.683,
312.696

■ 35, 5.532, 131.158

■ 22, 21.227,
313.131

■ 38, 10.507,
130.835

■ 20, 26.774,
313.557

■ 41, 15.345,
130.546

■ 17, 32.222,
313.948

■ 43, 20.050,
130.287

■ 15, 37.417,
314.266

■ 46, 24.625,
130.057

■ 13, 42.147,
314.458

■ 48, 29.077,
129.853

■ 11, 46.188,
314.474

■ 51, 33.413,
129.672

■ 10, 50.487,
314.667

■ 54, 37.637,
129.514

Harmonies

Complementary

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



30, 4.832, 311.859



32, 4.780, 131.188

Rectangle

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



30, 4.832, 311.859



30, 4.832, 1.859



30, 4.832, 131.859



30, 4.832, 181.859

Sweetspot

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



30, 4.831, 311.857



41, 1.955, 311.595



31, 2.822, 263.426



20, 1.495, 311.624



73, 0.009, 296.813



21, 0.004, 296.813

Same Dimension

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



30, 4.831, 311.857



39, 7.227, 311.947



30, 5.197, 326.725



14, 2.942, 311.835



15, 62.399, 314.261



39, 113.621, 313.487

Inverse Universe

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



30, 3.655, 348.357



39, 5.470, 348.556



32, 5.186, 145.818



14, 2.225, 348.310



20, 43.083, 5.882



49, 78.087, 9.662

Previews

White Background



This preview shows how the CIELCh color 30, 4.832, 311.859 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 30, 4.832, 311.859 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

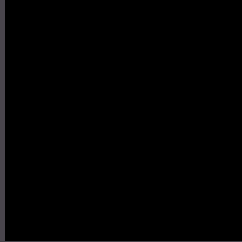
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 30, 4.832, 311.859

Background



This preview shows how black text looks on a background with the CIELCh color 30, 4.832, 311.859.



This preview shows how white text looks on a background with the CIELCh color 30, 4.832, 311.859.

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


30, 4.832, 311.859

Protanopia

30, 4.488, 291.020

Deuteranopia

30, 5.208, 320.854



Tritanopia
30, 4.242, 314.946

Trichromacy



Original Color

30, 4.832, 311.859

Protanomaly

30, 4.514, 296.425

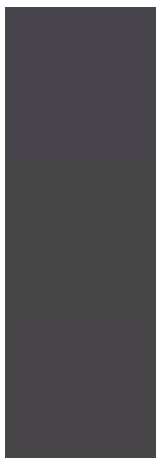
Deuteranomaly

30, 5.004, 316.512

Tritanomaly

30, 4.242, 314.946

Monochromacy



Original Color

30, 4.832, 311.859

Achromatopsia

30, 0.005, 296.813

Achromatomaly

30, 2.123, 314.781

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 30, 4.832, 311.859 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(73, 69, 76)` looks like.

```
.text, #text, p{  
    color:rgb(73, 69, 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(73, 69, 76) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(73, 69, 76) }
```

Border

The CSS property to change the border of an element to CIELCh 30, 4.832, 311.859 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(73, 69, 76) }
```

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

```
.border{ border-color:rgb(73, 69, 76) }
```

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

Here you see how a box with a 4 pixel rgb(73, 69, 76) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(73, 69, 76); -webkit-box-  
shadow:4px 4px 4px 4px rgb(73, 69, 76);  
box-shadow:4px 4px 4px 4px rgb(73, 69, 76)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 30, 4.832, 311.859 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(73, 69, 76) }
```

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

```
.background{ background-color: rgb(73, 69,  
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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