

Converting Colors

CIELCh(30, 15.239, 311.467)

Have a look what the booklet for
CIELCh(30, 15.239, 311.467)
contains.

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Color

CIELCh(30, 15.003, 311.678)

Conversions

Conversions Part 1

Format	Color
Hex	4E4258
RGB	78, 66, 88
RGB Percent	31%, 26%, 35%
CMY	0.6938, 0.7408, 0.6546
CMYK	0.11, 0.25, 0.00, 0.65
HSL	273°, 14%, 30%
HSV	273°, 25%, 35%
XYZ	6.8675, 6.2359, 10.0936
YIQ	72.0960, 0.0900, 9.3860

Conversions

Conversions Part 2

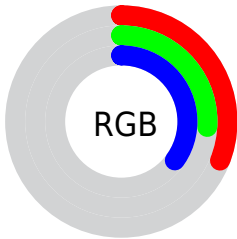
Format	Color
R_{YB}	78, 66, 88
Decimal	5128792
CIE Lab	30.00, 9.98, -11.21
CIE LCh	30, 15.003, 311.678
Yxy	6.2359, 0.2960, 0.2688
Android (android.graphics.Color)	4283318872 (0xFF4E4258)
YUV	72.0960, 7.8407, 5.1778
Hunter-Lab	24.9718, 5.3884, -6.4848




Details

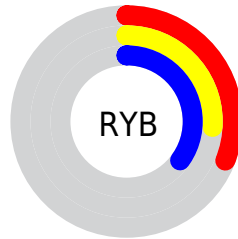
The CIELCh color **30, 15.003, 311.678** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **36, 14.584, 129.612**, and the grayscale version is **31, 0.005, 296.813**.




A 20% lighter version of the original color is **50, 14.987, 311.253**, and **10, 15.446, 310.930** is the 20% darker color. If you saturate the color by 10%, you get **27, 21.216, 312.135**, and if you desaturate by 10%, it is **33, 8.893, 311.236**.

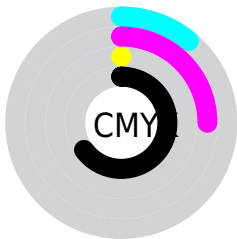
Distribution







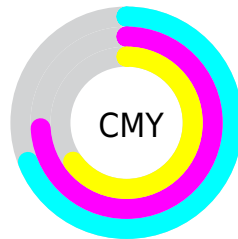
-  Red (31%)
-  Green (26%)
-  Blue (35%)






-  Red (31%)
-  Yellow (26%)
-  Blue (35%)



-  Cyan (11%)
-  Magenta (25%)
-  Yellow (0%)
-  Black (65%)



-  Cyan (69%)
-  Magenta (74%)
-  Yellow (65%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 30, 15.003, 311.678 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, 15.003, 311.678 by changing the saturation by 10% instead.

■ 30, 15.003,
311.678

■ 30, 15.003,
311.678

■ 100, 15.003,
311.678

■ 20, 15.003,
311.678

■ 50, 15.003,
311.678

■ 10, 15.003,
311.678

■ 60, 15.003,
311.678

■ 0, 15.003, 311.678

■ 70, 15.003,
311.678

■ 80, 15.003,
311.678

■ 90, 15.003,
311.678

■ 30, 15.003,
311.678

■ 30, 15.003,
311.678

■ 27, 21.216,
312.135

■ 33, 8.893, 311.236

■ 24, 27.476,
312.596

■ 36, 2.921, 310.809

■ 39, 2.897, 130.481

■ 21, 33.684,
313.035

■ 42, 8.555, 130.120

■ 19, 39.685,
313.415

■ 45, 14.053,
129.806

■ 16, 45.252,
313.683

■ 48, 19.394,
129.526

■ 14, 50.080,
313.771

■ 51, 24.584,
129.279

■ 12, 54.226,
313.728

■ 54, 29.630,
129.060

■ 12, 56.535,

■ 57, 34.538,

313.820

128.867

Harmonies

Complementary

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



30, 15.003, 311.678



36, 14.584, 129.612

Rectangle

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



30, 15.003, 311.678



30, 15.003, 1.678



30, 15.003, 131.678



30, 15.003, 181.678

Sweetspot

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



30, 15.002, 311.678



46, 5.121, 310.906



32, 8.356, 262.383



23, 3.355, 310.917



76, 0.009, 296.813



25, 0.004, 296.813

Same Dimension

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



30, 15.002, 311.678



37, 22.547, 311.952



31, 16.378, 326.611



16, 3.254, 310.971



15, 64.954, 313.544



39, 116.187, 312.810

Inverse Universe

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



31, 11.590, 348.316



38, 17.383, 348.937



35, 16.367, 143.820



16, 2.518, 346.813



21, 44.651, 3.806



50, 79.265, 7.174

Previews

White Background



This preview shows how the CIE LCh color 30, 15.003, 311.678 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 CIELCh color 30, 15.003, 311.678 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

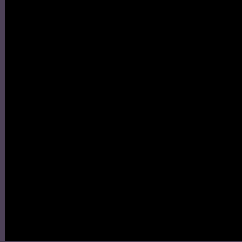
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 30, 15.003, 311.678

Background



This preview shows how black text looks on a background with the CIELCh color 30, 15.003, 311.678.

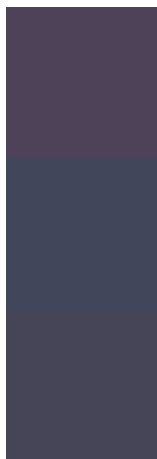


This preview shows how white text looks on a background with the CIELCh color 30, 15.003, 311.678.

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, 15.003, 311.678

Protanopia

30, 13.530, 284.464

Deuteranopia

30, 11.548, 292.303



Tritanopia
30, 4.452, 334.234

Trichromacy



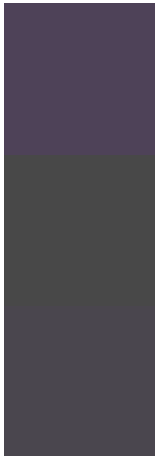
Original Color
30, 15.003, 311.678

Protanomaly
30, 13.476, 294.306

Deuteranomaly
30, 12.337, 299.914

Tritanomaly
30, 8.068, 319.904

Monochromacy



Original Color
30, 15.003, 311.678

Achromatopsia
31, 0.005, 296.813

Achromatomaly
30, 5.421, 309.471

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 30, 15.003, 311.678 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, 66, 88)` looks like.

```
.text, #text, p{  
    color:rgb(78, 66, 88)  
}
```

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, 66, 88) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(78, 66, 88) }
```

Border

The CSS property to change the border of an element to CIELCh 30, 15.003, 311.678 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, 66, 88) }
```

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

```
.border{ border-color:rgb(78, 66, 88) }
```

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

Here you see how a box with a 4 pixel `rgb(78, 66, 88)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(78, 66, 88); -webkit-box-  
shadow:4px 4px 4px 4px rgb(78, 66, 88);  
box-shadow:4px 4px 4px 4px rgb(78, 66, 88)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 30, 15.003, 311.678 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(78, 66, 88) }
```

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

```
.background{ background-color: rgb(78, 66,  
88) }
```

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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