

Converting Colors

CIELCh(30, 10.813, 359.820)

Have a look what the booklet for
CIELCh(30, 10.813, 359.820)
contains.

CIELCh(30, 10.615, 0.311)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(30, 10.615, 0.311)

Conversions

Conversions Part 1

Format	Color
Hex	574147
RGB	87, 65, 71
RGB Percent	34%, 25%, 28%
CMY	0.6594, 0.7457, 0.7221
CMYK	0.00, 0.25, 0.18, 0.66
HSL	344°, 14%, 30%
HSV	344°, 25%, 34%
XYZ	6.9308, 6.2359, 6.7751
YIQ	72.2620, 11.1860, 6.5300

Conversions

Conversions Part 2

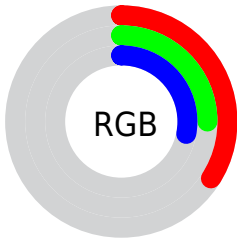
Format	Color
R_{YB}	87, 65, 71
Decimal	5718343
CIE _{Lab}	30.00, 10.61, 0.06
CIE _{LCh}	30, 10.615, 0.311
Yxy	6.2359, 0.3476, 0.3127
Android (android.graphics.Color)	4283908423 (0xFF574147)
YUV	72.2620, -0.6222, 12.9252
Hunter-Lab	24.9718, 5.8414, 1.3944

Details

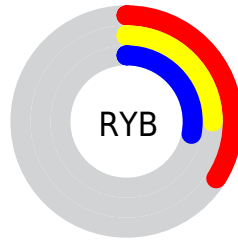
The CIELCh color **30, 10.615, 0.311** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **35, 9.850, 175.671**, and the grayscale version is **31, 0.005, 296.813**.

A 20% lighter version of the original color is **50, 10.459, 1.191**, and **10, 10.715, 359.170** is the 20% darker color. If you saturate the color by 10%, you get **27, 15.031, 1.578**, and if you desaturate by 10%, it is **33, 6.305, 359.223**.

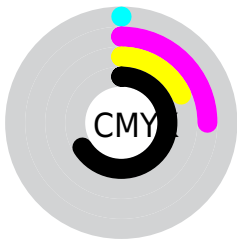
Distribution



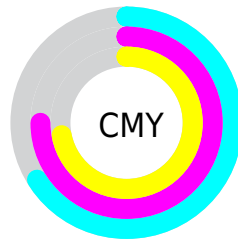
- Red (34%)
- Green (25%)
- Blue (28%)



- Red (34%)
- Yellow (25%)
- Blue (28%)



- Cyan (0%)
- Magenta (25%)
- Yellow (18%)
- Black (66%)



- Cyan (66%)
- Magenta (75%)
- Yellow (72%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 30, 10.615, 0.311 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, 10.615, 0.311 by changing the saturation by 10% instead.

 30, 10.615, 0.311  30, 10.615, 0.311

 100, 10.615, 0.311  20, 10.615, 0.311

 50, 10.615, 0.311  10, 10.615, 0.311

 60, 10.615, 0.311  0, 10.615, 0.311

 70, 10.615, 0.311

 80, 10.615, 0.311

 90, 10.615, 0.311

 30, 10.615, 0.311  30, 10.615, 0.311

 27, 15.031, 1.578  33, 6.305, 359.223

 25, 19.485, 3.073  35, 2.147, 358.207

■ 23, 23.869, 4.879

■ 38, 1.842, 177.653

■ 21, 28.039, 7.096

■ 41, 5.656, 176.822

■ 19, 31.831, 9.847

■ 44, 9.299, 176.143

■ 18, 35.099, 13.262

■ 47, 12.778,
175.537

■ 16, 38.029, 17.097

■ 50, 16.106,
174.986

■ 16, 39.541, 18.699

■ 52, 19.294,
174.481

■ 55, 22.356,
174.016

Harmonies

Complementary

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



30, 10.615, 0.311



35, 9.850, 175.671

Rectangle

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



30, 10.615, 0.311



30, 10.615, 50.311



30, 10.615, 180.311



30, 10.615, 230.311

Sweetspot

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



30, 10.614, 0.315



45, 4.010, 358.513



30, 15.586, 317.248



22, 2.825, 358.617



75, 0.009, 296.813



24, 0.004, 296.813

Same Dimension

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



30, 10.614, 0.315



37, 15.675, 1.004



31, 8.615, 40.923



16, 2.270, 358.565



21, 46.136, 20.374



49, 83.997, 24.486

Inverse Universe

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



30, 10.614, 0.315



37, 15.675, 1.004



34, 7.389, 222.580



16, 2.270, 358.565



21, 46.136, 20.374



49, 83.997, 24.486

Previews

White Background



This preview shows how the CIELCh color 30, 10.615, 0.311 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, 10.615, 0.311 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

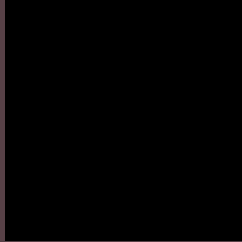
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 30, 10.615, 0.311

Background



This preview shows how black text looks on a background with the CIELCh color 30, 10.615, 0.311.



This preview shows how white text looks on a background with the CIELCh color 30, 10.615, 0.311.

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, 10.615, 0.311

Protanopia

30, 2.608, 300.208

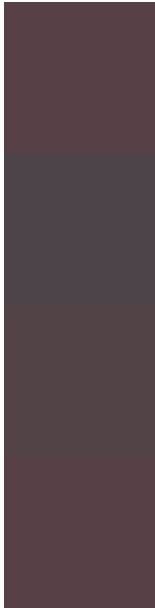
Deuteranopia

30, 4.088, 11.079



Tritanopia
30, 10.451, 3.627

Trichromacy



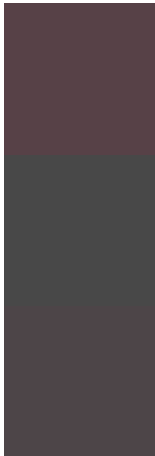
Original Color
30, 10.615, 0.311

Protanomaly
30, 5.116, 341.575

Deuteranomaly
30, 6.589, 3.684

Tritanomaly
30, 10.451, 3.627

Monochromacy



Original Color
30, 10.615, 0.311

Achromatopsia
31, 0.005, 296.813

Achromatomaly
30, 4.042, 351.786

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 30, 10.615, 0.311 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(87, 65, 71)` looks like.

```
.text, #text, p{  
    color:rgb(87, 65, 71)  
}
```

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(87, 65, 71) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 65, 71) }
```

Border

The CSS property to change the border of an element to CIELCh 30, 10.615, 0.311 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(87, 65, 71) }
```

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

```
.border{ border-color:rgb(87, 65, 71) }
```

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

Here you see how a box with a 4 pixel `rgb(87, 65, 71)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 65, 71); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 65, 71);  
box-shadow:4px 4px 4px 4px rgb(87, 65, 71)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 30, 10.615, 0.311 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 65, 71) }
```

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

```
.background{ background-color: rgb(87, 65,  
71) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor