

Converting Colors

CIELCh(31, 11.574, 340.288)

Have a look what the booklet for
CIELCh(31, 11.574, 340.288)
contains.

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Color

CIELCh(31, 11.574, 340.288)

Conversions

Conversions Part 1

Format	Color
Hex	57434F
RGB	87, 67, 79
RGB Percent	34%, 26%, 31%
CMY	0.6578, 0.7363, 0.6892
CMYK	0.00, 0.23, 0.09, 0.66
HSL	324°, 13%, 30%
HSV	324°, 23%, 34%
XYZ	7.3980, 6.6515, 8.3403
YIQ	74.3480, 8.0680, 7.9720

Conversions

Conversions Part 2

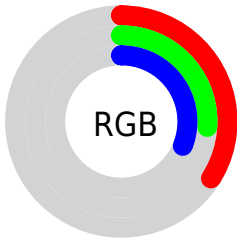
Format	Color
R_{YB}	87, 67, 79
Decimal	5718863
CIE _{Lab}	31.00, 10.90, -3.90
CIE _{LCh}	31, 11.574, 340.288
Yxy	6.6515, 0.3304, 0.2971
Android (android.graphics.Color)	4283908943 (0xFF57434F)
YUV	74.3480, 2.2934, 11.0958
Hunter-Lab	25.7905, 6.0690, -1.1202

Details

The CIELCh color $[31, 11.574, 340.288]$ is a dark color, and the websafe version is hex $\#333333$. A complement of this color would be $[35, 11.393, 156.921]$, and the grayscale version is $[32, 0.005, 296.813]$.

A 20% lighter version of the original color is $[51, 11.632, 340.250]$, and $[11, 11.483, 339.089]$ is the 20% darker color. If you saturate the color by 10%, you get $[28, 16.661, 341.126]$, and if you desaturate by 10%, it is $[34, 6.483, 339.512]$.

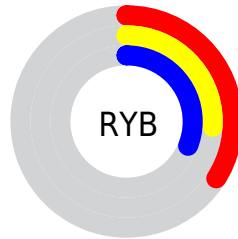
Distribution



 Red (34%)

 Green (26%)

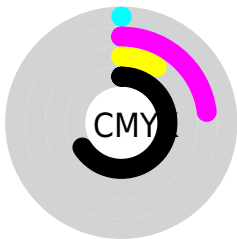
 Blue (31%)



 Red (34%)

 Yellow (26%)

 Blue (31%)

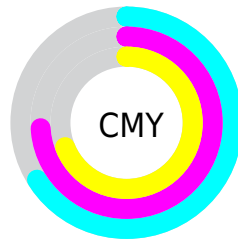


 Cyan (0%)

 Magenta (23%)

 Yellow (9%)

 Black (66%)



 Cyan (66%)


 Magenta (74%)


 Yellow (69%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 31, 11.574, 340.288 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, 11.574, 340.288 by changing the saturation by 10% instead.

 31, 11.574,
340.288


 31, 11.574,
340.288

 100, 11.574,
340.288


 21, 11.574,
340.288

 51, 11.574,
340.288


 11, 11.574,
340.288


 61, 11.574,
340.288

 1, 11.574, 340.288

 71, 11.574,
340.288

 0, 11.574, 340.288

 81, 11.574,
340.288

 91, 11.574,
340.288

■ 31, 11.574,
340.288

■ 31, 11.574,
340.288

■ 28, 16.661,
341.126

■ 34, 6.483, 339.512

■ 26, 21.648,
342.044

■ 36, 1.458, 338.697

■ 24, 26.392,
343.069

■ 39, 3.460, 158.238

■ 22, 30.711,
344.236

■ 42, 8.249, 157.589

■ 20, 34.391,
345.596

■ 45, 12.898,
157.005

■ 19, 37.217,
347.217

■ 47, 17.405,
156.461

■ 18, 39.161,
349.131

■ 50, 21.772,
155.952

■ 17, 40.561,

■ 53, 26.005,
155.474

350.436

155.024

Harmonies

Complementary

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



31, 11.574, 340.288



35, 11.393, 156.921

Rectangle

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



31, 11.574, 340.288



31, 11.574, 30.288



31, 11.574, 160.288



31, 11.574, 210.288

Sweetspot

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



31, 11.573, 340.289



45, 4.297, 339.077



30, 13.301, 306.636



22, 2.762, 339.093



75, 0.009, 296.813



24, 0.004, 296.813

Same Dimension

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



31, 11.573, 340.289



38, 17.423, 340.779



31, 9.211, 13.095



16, 2.780, 339.197



22, 46.573, 351.249



51, 81.828, 353.432

Inverse Universe

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



31, 11.573, 340.289



38, 17.423, 340.779



35, 8.233, 189.553



16, 2.780, 339.197



22, 46.573, 351.249



51, 81.828, 353.432

Previews

White Background



This preview shows how the CIELCh color 31, 11.574, 340.288 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 31, 11.574, 340.288 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

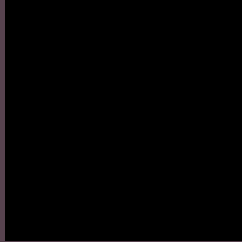
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 31, 11.574, 340.288

Background



This preview shows how black text looks on a background with the CIELCh color 31, 11.574, 340.288.



This preview shows how white text looks on a background with the CIELCh color 31, 11.574, 340.288.

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

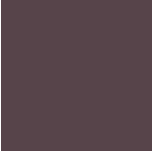
31, 11.574, 340.288

Protanopia

31, 6.370, 287.606

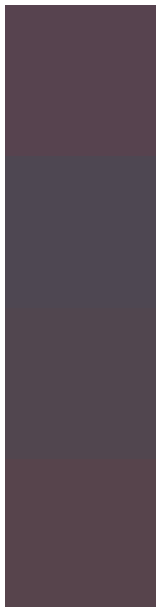
Deuteranopia

31, 5.948, 321.418



Tritanopia
31, 9.282, 356.893

Trichromacy



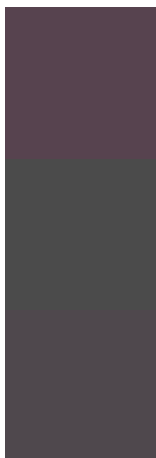
Original Color
31, 11.574, 340.288

Protanomaly
31, 7.645, 314.185

Deuteranomaly
31, 7.473, 330.638

Tritanomaly
31, 9.806, 350.023

Monochromacy



Original Color
31, 11.574, 340.288

Achromatopsia
32, 0.005, 296.813

Achromatomaly
31, 4.422, 334.214

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 31, 11.574, 340.288 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, 67, 79)` looks like.

```
.text, #text, p{  
    color:rgb(87, 67, 79)  
}
```

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, 67, 79) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 67, 79) }
```

Border

The CSS property to change the border of an element to CIELCh 31, 11.574, 340.288 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, 67, 79) }
```

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

```
.border{ border-color:rgb(87, 67, 79) }
```

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

Here you see how a box with a 4 pixel `rgb(87, 67, 79)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 67, 79); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 67, 79);  
box-shadow:4px 4px 4px 4px rgb(87, 67, 79)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 31, 11.574, 340.288 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 67, 79) }
```

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

```
.background{ background-color: rgb(87, 67,  
79) }
```

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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