

Converting Colors

CIELCh(31, 17.473, 350.758)

Have a look what the booklet for
CIELCh(31, 17.473, 350.758)
contains.

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Color

CIELCh(31, 17.591, 350.253)

Conversions

Conversions Part 1

Format	Color
Hex	613F4E
RGB	97, 63, 78
RGB Percent	38%, 25%, 31%
CMY	0.6195, 0.7528, 0.6940
CMYK	0.00, 0.35, 0.20, 0.62
HSL	334°, 21%, 31%
HSV	334°, 35%, 38%
XYZ	8.0880, 6.6515, 8.0706
YIQ	74.8760, 15.4490, 11.8730

Conversions

Conversions Part 2

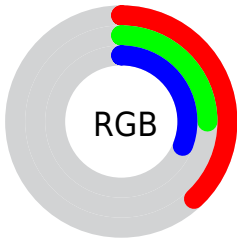
Format	Color
R_{YB}	97, 63, 78
Decimal	6373198
CIE Lab	31.00, 17.34, -2.98
CIE LCh	31, 17.591, 350.253
Yxy	6.6515, 0.3546, 0.2916
Android (android.graphics.Color)	4284563278 (0xFF613F4E)
YUV	74.8760, 1.5401, 19.4027
Hunter-Lab	25.7905, 10.8450, -0.5001

Details

The CIELCh color $[31, 17.591, 350.253]$ is a dark color, and the websafe version is hex 663333 . A complement of this color would be $[38, 16.674, 163.773]$, and the grayscale version is $[32, 0.005, 296.813]$.

A 20% lighter version of the original color is $[51, 17.567, 349.801]$, and $[11, 17.753, 349.136]$ is the 20% darker color. If you saturate the color by 10%, you get $[28, 22.614, 351.516]$, and if you desaturate by 10%, it is $[34, 12.491, 349.158]$.

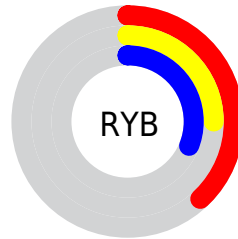
Distribution



Red (38%)

Green (25%)

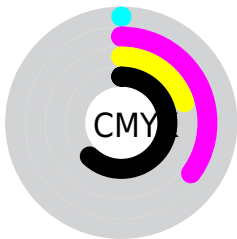
Blue (31%)



Red (38%)

Yellow (25%)

Blue (31%)

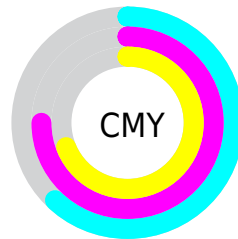


Cyan (0%)

Magenta (35%)

Yellow (20%)

Black (62%)



Cyan (62%)


Magenta (75%)


Yellow (69%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 31, 17.591, 350.253 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, 17.591, 350.253 by changing the saturation by 10% instead.


 31, 17.591,
350.253


 31, 17.591,
350.253

 100, 17.591,
350.253


 21, 17.591,
350.253

 51, 17.591,
350.253


 11, 17.591,
350.253


 61, 17.591,
350.253

 1, 17.591, 350.253

 71, 17.591,
350.253

 0, 17.591, 350.253

 81, 17.591,
350.253

 91, 17.591,
350.253

■ 31, 17.591,
350.253

■ 31, 17.591,
350.253

■ 28, 22.614,
351.516

■ 34, 12.491,
349.158

■ 26, 27.414,
352.997

■ 37, 7.424, 348.181

■ 40, 2.456, 347.251

■ 24, 31.791,
354.774

■ 43, 2.372, 166.682

■ 22, 35.521,
356.952

■ 46, 7.043, 165.901

■ 20, 38.400,
359.662

■ 49, 11.549,
165.235

■ 19, 40.512, 2.890

■ 52, 15.893,
164.627

■ 19, 41.632, 4.425

■ 55, 20.081,
164.066

■ 58, 24.122,

Harmonies

Complementary

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



31, 17.591, 350.253



38, 16.674, 163.773

Rectangle

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



31, 17.591, 350.253



31, 17.591, 40.253



31, 17.591, 170.253



31, 17.591, 220.253

Sweetspot

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



31, 17.589, 350.255



48, 6.654, 347.839



30, 23.048, 312.307



24, 4.511, 347.919



77, 0.009, 296.813



27, 0.004, 296.813

Same Dimension

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



31, 17.589, 350.255



38, 25.978, 351.272



31, 15.363, 25.964



18, 2.744, 347.615



23, 46.097, 5.306



51, 80.614, 8.563

Inverse Universe

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



31, 17.589, 350.255



38, 25.978, 351.272



38, 12.188, 202.858



18, 2.744, 347.615



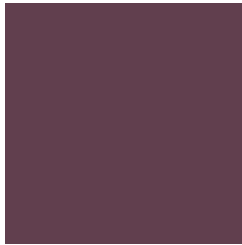
23, 46.097, 5.306



51, 80.614, 8.563

Previews

White Background



This preview shows how the CIELCh color 31, 17.591, 350.253 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, 17.591, 350.253 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

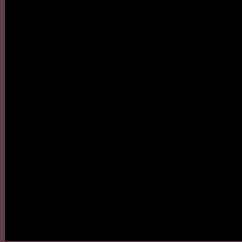
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 31, 17.591, 350.253

Background



This preview shows how black text looks on a background with the CIELCh color 31, 17.591, 350.253.

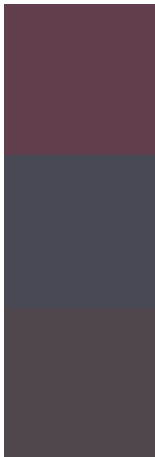


This preview shows how white text looks on a background with the CIELCh color 31, 17.591, 350.253.

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, 17.591, 350.253

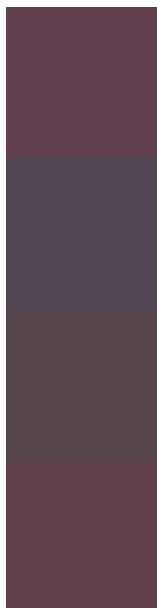
Protanopia
31, 7.033, 284.743

Deuteranopia
31, 5.189, 332.903



Tritanopia
31, 14.441, 12.006

Trichromacy



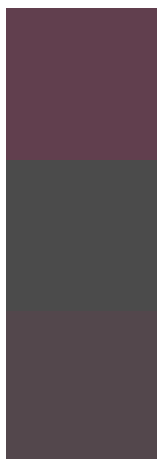
Original Color
31, 17.591, 350.253

Protanomaly
31, 9.562, 320.825

Deuteranomaly
31, 9.758, 345.314

Tritanomaly
31, 15.272, 3.024

Monochromacy



Original Color
31, 17.591, 350.253

Achromatopsia
32, 0.005, 296.813

Achromatomaly
32, 6.172, 349.572

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 31, 17.591, 350.253 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(97, 63, 78)` looks like.

```
.text, #text, p{  
    color:rgb(97, 63, 78)  
}
```

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(97, 63, 78) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(97, 63, 78) }
```

Border

The CSS property to change the border of an element to CIELCh 31, 17.591, 350.253 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(97, 63, 78) }
```

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

```
.border{ border-color:rgb(97, 63, 78) }
```

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

Here you see how a box with a 4 pixel rgb(97, 63, 78) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(97, 63, 78); -webkit-box-  
shadow:4px 4px 4px 4px rgb(97, 63, 78);  
box-shadow:4px 4px 4px 4px rgb(97, 63, 78)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 31, 17.591, 350.253 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(97, 63, 78) }
```

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

```
.background{ background-color: rgb(97, 63,  
78) }
```

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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