

Converting Colors

CIELCh(31, 9.701, 349.525)

Have a look what the booklet for
CIELCh(31, 9.701, 349.525) contains.

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Color

CIELCh(31, 9.806, 350.023)

Conversions

Conversions Part 1

Format	Color
Hex	57444C
RGB	87, 68, 76
RGB Percent	34%, 27%, 30%
CMY	0.6595, 0.7340, 0.7026
CMYK	0.00, 0.22, 0.13, 0.66
HSL	335°, 12%, 30%
HSV	335°, 22%, 34%
XYZ	7.2700, 6.6515, 7.7075
YIQ	74.5930, 8.7560, 6.5160

Conversions

Conversions Part 2

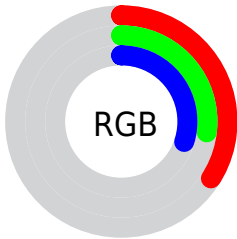
Format	Color
R_{YB}	87, 68, 76
Decimal	5719116
CIE Lab	31.00, 9.66, -1.70
CIE LCh	31, 9.806, 350.023
Yxy	6.6515, 0.3361, 0.3075
Android (android.graphics.Color)	4283909196 (0xFF57444C)
YUV	74.5930, 0.6937, 10.8809
Hunter-Lab	25.7905, 5.1834, 0.3345

Details

The CIELCh color **31, 9.806, 350.023** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **35, 9.458, 166.302**, and the grayscale version is **32, 0.005, 296.813**.

A 20% lighter version of the original color is **51, 9.980, 349.016**, and **11, 9.500, 350.276** is the 20% darker color. If you saturate the color by 10%, you get **28, 14.413, 351.085**, and if you desaturate by 10%, it is **34, 5.257, 349.075**.

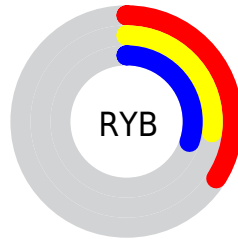
Distribution



Red (34%)

Green (27%)

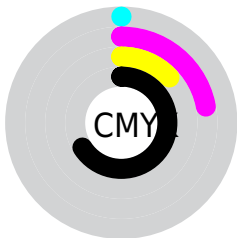
Blue (30%)



Red (34%)

Yellow (27%)

Blue (30%)

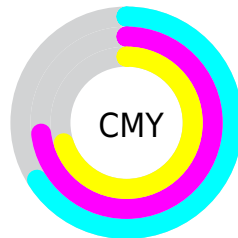


Cyan (0%)

Magenta (22%)

Yellow (13%)

Black (66%)



Cyan (66%)

Magenta (73%)

Yellow (70%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 31, 9.806, 350.023 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, 9.806, 350.023 by changing the saturation by 10% instead.

■ 31, 9.806, 350.023

■ 31, 9.806, 350.023

■ 100, 9.806,
350.023

■ 21, 9.806, 350.023

■ 51, 9.806, 350.023

■ 11, 9.806, 350.023

■ 61, 9.806, 350.023

■ 1, 9.806, 350.023

■ 71, 9.806, 350.023

■ 0, 9.806, 350.023

■ 81, 9.806, 350.023

■ 91, 9.806, 350.023

■ 31, 9.806, 350.023

■ 31, 9.806, 350.023

■ 28, 14.413,
351.085

■ 34, 5.257, 349.075

26, 19.003,
352.295

36, 0.819, 347.996

24, 23.459,
353.708

39, 3.483, 167.599

42, 7.637, 166.873

22, 27.624,
355.392

45, 11.642,
166.229

20, 31.309,
357.441

48, 15.501,
165.640

18, 34.322,
359.974

50, 19.221,
165.095

17, 36.597, 3.065

53, 22.812,
164.589

16, 38.519, 5.480

56, 26.282,
164.117

Harmonies

Complementary

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



31, 9.806, 350.023



35, 9.458, 166.302

Rectangle

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



31, 9.806, 350.023



31, 9.806, 40.023



31, 9.806, 170.023



31, 9.806, 220.023

Sweetspot

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



31, 9.805, 350.026



45, 3.806, 348.647



31, 12.990, 312.244



22, 2.447, 348.666



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, 9.805, 350.026



39, 14.471, 350.536



31, 8.197, 26.270



16, 2.465, 348.791



21, 44.588, 6.884



50, 79.473, 10.481

Inverse Universe

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



31, 9.805, 350.026



39, 14.471, 350.536



35, 7.157, 204.845



16, 2.465, 348.791



21, 44.588, 6.884



50, 79.473, 10.481

Previews

White Background



This preview shows how the CIELCh color 31, 9.806, 350.023 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 31, 9.806, 350.023 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

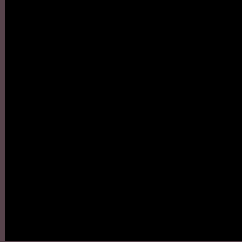
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 31, 9.806, 350.023

Background



This preview shows how black text looks on a background with the CIELCh color 31, 9.806, 350.023.



This preview shows how white text looks on a background with the CIELCh color 31, 9.806, 350.023.

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, 9.806, 350.023

Protanopia

31, 3.821, 290.879

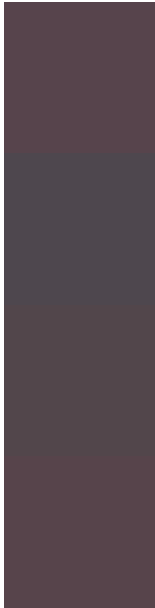
Deuteranopia

31, 4.353, 344.368



Tritanopia
31, 9.282, 356.893

Trichromacy



Original Color

31, 9.806, 350.023

Protanomaly

31, 5.415, 324.861

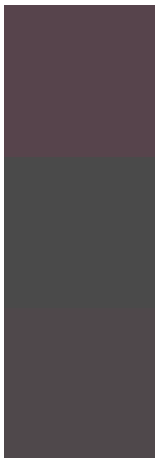
Deuteranomaly

31, 6.186, 349.586

Tritanomaly

31, 9.526, 353.360

Monochromacy



Original Color

31, 9.806, 350.023

Achromatopsia

31, 0.005, 296.813

Achromatomaly

31, 3.630, 348.336

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 31, 9.806, 350.023 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, 68, 76)` looks like.

```
.text, #text, p{  
    color:rgb(87, 68, 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(87, 68, 76) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 68, 76) }
```

Border

The CSS property to change the border of an element to CIELCh 31, 9.806, 350.023 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, 68, 76) }
```

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

```
.border{ border-color:rgb(87, 68, 76) }
```

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

Here you see how a box with a 4 pixel rgb(87, 68, 76) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 68, 76); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 68, 76);  
box-shadow:4px 4px 4px 4px rgb(87, 68, 76)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 31, 9.806, 350.023 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 68, 76) }
```

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

```
.background{ background-color: rgb(87, 68,  
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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