

Converting Colors

CIELCh(31, 9.817, 1.296)

Have a look what the booklet for
CIELCh(31, 9.817, 1.296) contains.

CIELCh(31, 9.507, 1.665)	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(31, 9.507, 1.665)

Conversions

Conversions Part 1

Format	Color
Hex	584449
RGB	88, 68, 73
RGB Percent	35%, 27%, 29%
CMY	0.6558, 0.7341, 0.7145
CMYK	0.00, 0.23, 0.17, 0.66
HSL	345°, 13%, 31%
HSV	345°, 23%, 34%
XYZ	7.2541, 6.6515, 7.1685
YIQ	74.5500, 10.3150, 5.7950

Conversions

Conversions Part 2

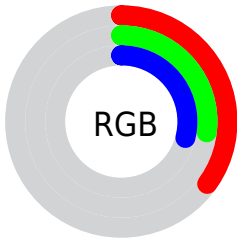
Format	Color
R _Y B	88, 68, 73
Decimal	5784649
CIE Lab	31.00, 9.50, 0.28
CIE LCh	31, 9.507, 1.665
Yxy	6.6515, 0.3442, 0.3156
Android (android.graphics.Color)	4283974729 (0xFF584449)
YUV	74.5500, -0.7641, 11.7957
Hunter-Lab	25.7905, 5.0734, 1.5735

Details

The CIELCh color $31, 9.507, 1.665$ is a dark color, and the websafe version is hex 333333 . A complement of this color would be $36, 8.843, 177.570$, and the grayscale version is $32, 0.005, 296.813$.

A 20% lighter version of the original color is $51, 9.462, 2.685$, and $11, 9.436, 0.031$ is the 20% darker color. If you saturate the color by 10%, you get $28, 13.922, 2.896$, and if you desaturate by 10%, it is $34, 5.224, 0.604$.

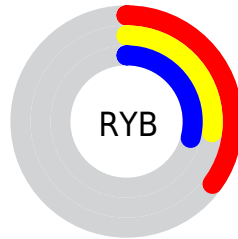
Distribution



 Red (35%)

 Green (27%)

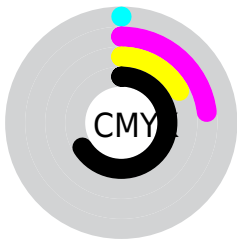
 Blue (29%)



 Red (35%)

 Yellow (27%)

 Blue (29%)

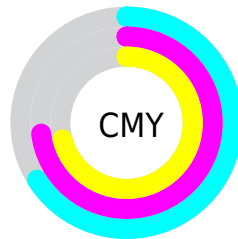


 Cyan (0%)

 Magenta (23%)

 Yellow (17%)

 Black (66%)



 Cyan (66%)

 Magenta (73%)

 Yellow (71%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 31, 9.507, 1.665 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, 9.507, 1.665 by changing the saturation by 10% instead.

■ 31, 9.507, 1.665

■ 31, 9.507, 1.665

■ 100, 9.507, 1.665

■ 21, 9.507, 1.665

■ 51, 9.507, 1.665

■ 11, 9.507, 1.665

■ 61, 9.507, 1.665

■ 1, 9.507, 1.665

■ 71, 9.507, 1.665

■ 0, 9.507, 1.665

■ 81, 9.507, 1.665

■ 91, 9.507, 1.665

■ 31, 9.507, 1.665

■ 31, 9.507, 1.665

■ 28, 13.922, 2.896

■ 34, 5.224, 0.604

■ 26, 18.413, 4.348

■ 37, 1.110, 359.506

23, 22.882, 6.100

39, 2.823, 179.052

21, 27.198, 8.249

42, 6.574, 178.289

19, 31.201, 10.916

45, 10.150,
177.637

18, 34.740, 14.227

48, 13.561,
177.053

17, 37.817, 18.153

16, 40.221, 20.727

51, 16.820,
176.523

54, 19.940,
176.038

57, 22.934,
175.591

Harmonies

Complementary

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



31, 9.507, 1.665



36, 8.843, 177.570

Rectangle

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



31, 9.507, 1.665



31, 9.507, 51.665



31, 9.507, 181.665



31, 9.507, 231.665

Sweetspot

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



31, 9.506, 1.669



46, 3.530, 0.048



31, 14.230, 318.192



23, 2.313, 0.074



76, 0.009, 296.813



25, 0.004, 296.813

Same Dimension

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



31, 9.506, 1.669



39, 14.192, 2.275



32, 7.621, 44.584



16, 2.247, 0.203



21, 46.622, 22.321



49, 85.145, 26.419

Inverse Universe

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



31, 9.506, 1.669



39, 14.192, 2.275



34, 6.682, 226.776



16, 2.247, 0.203



21, 46.622, 22.321



49, 85.145, 26.419

Previews

White Background



This preview shows how the CIELCh color 31, 9.507, 1.665 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, 9.507, 1.665 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

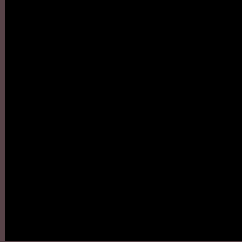
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 31, 9.507, 1.665

Background



This preview shows how black text looks on a background with the CIELCh color 31, 9.507, 1.665.



This preview shows how white text looks on a background with the CIELCh color 31, 9.507, 1.665.

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, 9.507, 1.665

Protanopia

31, 1.966, 303.225

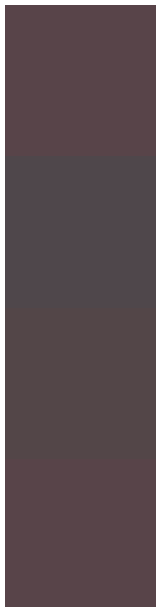
Deuteranopia

31, 4.068, 11.057



Tritanopia
31, 9.507, 1.665

Trichromacy



Original Color

31, 9.507, 1.665

Protanomaly

31, 4.353, 344.368

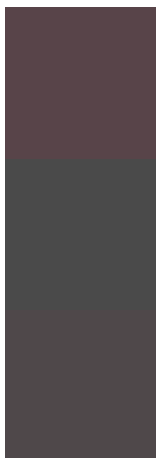
Deuteranomaly

31, 5.966, 8.131

Tritanomaly

31, 9.507, 1.665

Monochromacy



Original Color

31, 9.507, 1.665

Achromatopsia

31, 0.005, 296.813

Achromatomaly

31, 3.348, 357.642

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 31, 9.507, 1.665 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(88, 68, 73)` looks like.

```
.text, #text, p{  
    color:rgb(88, 68, 73)  
}
```

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(88, 68, 73) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(88, 68, 73) }
```

Border

The CSS property to change the border of an element to CIELCh 31, 9.507, 1.665 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(88, 68, 73) }
```

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

```
.border{ border-color:rgb(88, 68, 73) }
```

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

Here you see how a box with a 4 pixel rgb(88, 68, 73) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(88, 68, 73); -webkit-box-  
shadow:4px 4px 4px 4px rgb(88, 68, 73);  
box-shadow:4px 4px 4px 4px rgb(88, 68, 73)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 31, 9.507, 1.665 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(88, 68, 73) }
```

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

```
.background{ background-color: rgb(88, 68,  
73) }
```

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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