

Converting Colors

CIELCh(31, 11.176, 94.594)

Have a look what the booklet for
CIELCh(31, 11.176, 94.594) contains.

CIELCh(31, 11.007, 95.684)	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, 11.007, 95.684)

Conversions

Conversions Part 1

Format	Color
Hex	4E4938
RGB	78, 73, 56
RGB Percent	31%, 29%, 22%
CMY	0.6945, 0.7141, 0.7808
CMYK	0.00, 0.06, 0.28, 0.69
HSL	46°, 16%, 26%
HSV	46°, 28%, 31%
XYZ	6.2205, 6.6515, 4.6847
YIQ	72.5570, 8.4370, -4.2270

Conversions

Conversions Part 2

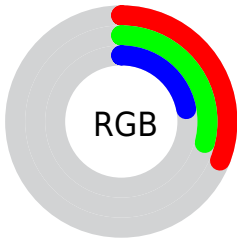
Format	Color
RYB	62, 78, 56
Decimal	5130552
CIELab	31.00, -1.09, 10.95
CIELCh	31, 11.007, 95.684
Yxy	6.6515, 0.3543, 0.3789
Android (android.graphics.Color)	4283320632 (0xFF4E4938)
YUV	72.5570, -8.1626, 4.7735
Hunter-Lab	25.7905, -2.0801, 7.2836

Details

The CIELCh color **31, 11.007, 95.684** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **26, 11.262, 282.272**, and the grayscale version is **31, 0.005, 296.813**.

A 20% lighter version of the original color is **51, 10.744, 95.053**, and **11, 11.347, 95.972** is the 20% darker color. If you saturate the color by 10%, you get **30, 14.941, 94.567**, and if you desaturate by 10%, it is **32, 7.082, 96.785**.

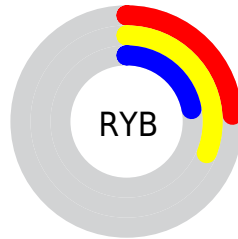
Distribution



 Red (31%)

 Green (29%)

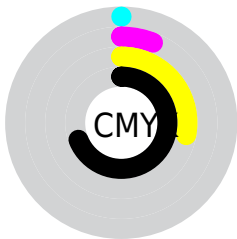
 Blue (22%)



 Red (24%)

 Yellow (31%)

 Blue (22%)

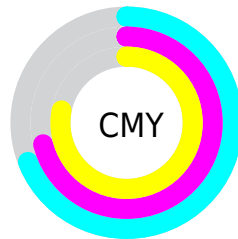


 Cyan (0%)

 Magenta (6%)

 Yellow (28%)

 Black (69%)



 Cyan (69%)

 Magenta (71%)

 Yellow (78%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 31, 11.007, 95.684 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, 11.007, 95.684 by changing the saturation by 10% instead.

■ 31, 11.007, 95.684

■ 31, 11.007, 95.684

■ 100, 11.007,
95.684

■ 21, 11.007, 95.684

■ 51, 11.007, 95.684

■ 11, 11.007, 95.684

■ 61, 11.007, 95.684

■ 1, 11.007, 95.684

■ 71, 11.007, 95.684

■ 0, 11.007, 95.684

■ 81, 11.007, 95.684

■ 91, 11.007, 95.684

■ 31, 11.007, 95.684

■ 31, 11.007, 95.684

■ 30, 14.941, 94.567

■ 32, 7.082, 96.785

■ 30, 18.849, 93.422

■ 32, 3.181, 97.840

■ 29, 22.677, 92.257

■ 33, 0.684, 279.034

■ 28, 26.332, 91.072

■ 34, 4.509, 279.925

■ 28, 29.670, 89.856

■ 35, 8.291, 280.878

■ 27, 32.486, 88.586

■ 36, 12.032,
281.796

■ 26, 35.159, 87.409

■ 37, 15.731,
282.675

■ 26, 35.631, 87.219

■ 37, 19.390,
283.513

■ 38, 23.011,
284.310

Harmonies

Complementary

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



31, 11.007, 95.684



26, 11.262, 282.272

Rectangle

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



31, 11.007, 95.684



31, 11.007, 145.684



31, 11.007, 275.684



31, 11.007, 325.684

Sweetspot

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



31, 11.008, 95.690



42, 3.862, 97.834



26, 10.718, 3.480



21, 2.712, 97.736



73, 0.009, 296.813



21, 0.004, 296.813

Same Dimension

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



31, 11.008, 95.690



40, 16.597, 94.902



32, 14.023, 118.984



15, 2.124, 97.800



35, 43.328, 86.573



75, 77.937, 85.196

Inverse Universe

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



26, 11.262, 282.272



32, 17.103, 283.393



25, 14.776, 302.340



14, 2.142, 279.689



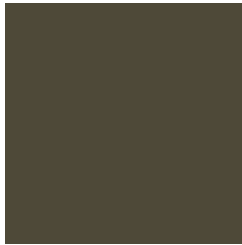
13, 54.887, 299.802



34, 106.119, 301.884

Previews

White Background



This preview shows how the CIELCh color 31, 11.007, 95.684 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, 11.007, 95.684 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

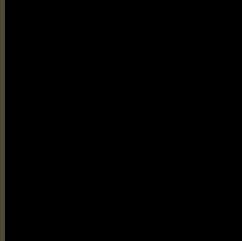
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 31, 11.007, 95.684

Background



This preview shows how black text looks on a background with the CIELCh color 31, 11.007, 95.684.

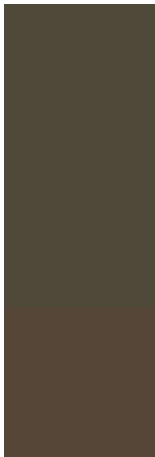


This preview shows how white text looks on a background with the CIELCh color 31, 11.007, 95.684.

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, 11.007, 95.684

Protanopia

31, 11.007, 95.684

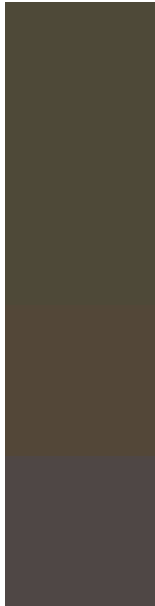
Deuteranopia

31, 11.874, 67.936



Tritanopia
31, 5.829, 339.462

Trichromacy



Original Color

31, 11.007, 95.684

Protanomaly

31, 11.007, 95.684

Deuteranomaly

31, 11.180, 77.338

Tritanomaly

31, 3.827, 39.200

Monochromacy



Original Color

31, 11.007, 95.684

Achromatopsia

31, 0.005, 296.813

Achromatomaly

31, 3.913, 96.068

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 31, 11.007, 95.684 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(78, 73, 56)` looks like.

```
.text, #text, p{  
    color:rgb(78, 73, 56)  
}
```

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(78, 73, 56) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(78, 73, 56) }
```

Border

The CSS property to change the border of an element to CIELCh 31, 11.007, 95.684 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(78, 73, 56) }
```

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

```
.border{ border-color:rgb(78, 73, 56) }
```

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

Here you see how a box with a 4 pixel rgb(78, 73, 56) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(78, 73, 56); -webkit-box-  
shadow:4px 4px 4px 4px rgb(78, 73, 56);  
box-shadow:4px 4px 4px 4px rgb(78, 73, 56)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 31, 11.007, 95.684 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(78, 73, 56) }
```

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

```
.background{ background-color: rgb(78, 73,  
56) }
```

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