

Converting Colors

CIELCh(31, 8.873, 105.506)

Have a look what the booklet for
CIELCh(31, 8.873, 105.506) contains.

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Color

CIELCh(31, 8.853, 105.527)

Conversions

Conversions Part 1

Format	Color
Hex	4B4A3C
RGB	75, 74, 60
RGB Percent	29%, 29%, 24%
CMY	0.7073, 0.7112, 0.7661
CMYK	0.00, 0.01, 0.20, 0.71
HSL	56°, 11%, 26%
HSV	56°, 20%, 29%
XYZ	6.1028, 6.6515, 5.1876
YIQ	72.7030, 5.0900, -4.1420

Conversions

Conversions Part 2

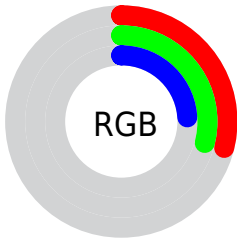
Format	Color
RYB	61, 75, 60
Decimal	4934204
CIELab	31.00, -2.37, 8.53
CIElCh	31, 8.853, 105.527
Yxy	6.6515, 0.3401, 0.3707
Android (android.graphics.Color)	4283124284 (0xFF4B4A3C)
YUV	72.7030, -6.2626, 2.0145
Hunter-Lab	25.7905, -2.8952, 6.1275

Details

The CIELCh color **31, 8.853, 105.527** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **26, 9.174, 289.468**, and the grayscale version is **31, 0.005, 296.813**.

A 20% lighter version of the original color is **51, 9.269, 106.385**, and **11, 8.435, 104.090** is the 20% darker color. If you saturate the color by 10%, you get **31, 13.230, 104.602**, and if you desaturate by 10%, it is **31, 4.447, 106.451**.

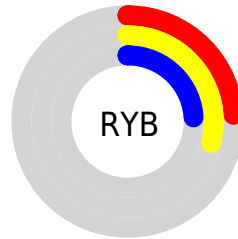
Distribution



Red (29%)

Green (29%)

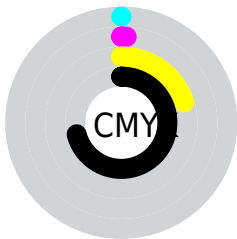
Blue (24%)



Red (24%)

Yellow (29%)

Blue (24%)

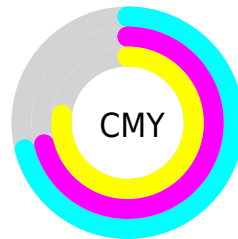


Cyan (0%)

Magenta (1%)

Yellow (20%)

Black (71%)



Cyan (71%)

Magenta (71%)

Yellow (77%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 31, 8.853, 105.527 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, 8.853, 105.527 by changing the saturation by 10% instead.

■ 31, 8.853, 105.527

■ 31, 8.853, 105.527

■ 100, 8.853,
105.527

■ 21, 8.853, 105.527

■ 51, 8.853, 105.527

■ 11, 8.853, 105.527

■ 61, 8.853, 105.527

■ 1, 8.853, 105.527

■ 71, 8.853, 105.527

■ 0, 8.853, 105.527

■ 81, 8.853, 105.527

■ 91, 8.853, 105.527

■ 31, 8.853, 105.527

■ 31, 8.853, 105.527

■ 31, 13.230,
104.602

■ 31, 4.447, 106.451

■ 30, 17.544,
103.673

■ 32, 0.031, 105.894

■ 30, 21.743,
102.757

■ 32, 4.381, 288.263

■ 33, 8.778, 289.115

■ 30, 25.751,
101.870

■ 33, 13.155,
289.938

■ 30, 29.454,
101.030

■ 33, 17.508,
290.729

■ 29, 32.695,
100.256

■ 34, 21.832,
291.484

■ 29, 35.350, 99.561

■ 34, 26.126,
292.204

■ 29, 38.112, 98.897

■ 35, 30.388,
292.887

Harmonies

Complementary

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



31, 8.853, 105.527



26, 9.174, 289.468

Rectangle

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



31, 8.853, 105.527



31, 8.853, 155.527



31, 8.853, 285.527



31, 8.853, 335.527

Sweetspot

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



31, 8.854, 105.533



41, 3.284, 106.797



27, 6.998, 15.380



20, 2.149, 106.777



72, 0.009, 296.813



20, 0.004, 296.813

Same Dimension

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



31, 8.854, 105.533



40, 13.126, 105.084



31, 9.951, 125.844



15, 2.513, 106.577



40, 47.252, 98.696



84, 85.243, 98.377

Inverse Universe

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



26, 9.174, 289.468



33, 13.727, 290.067



26, 10.235, 307.613



14, 2.555, 288.217



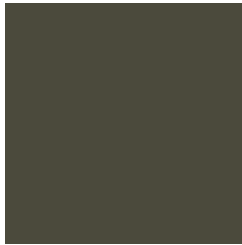
10, 64.507, 304.700



29, 120.731, 305.647

Previews

White Background



This preview shows how the CIELCh color 31, 8.853, 105.527 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, 8.853, 105.527 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

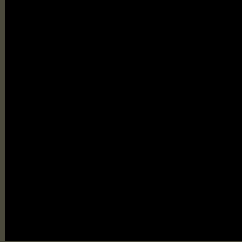
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

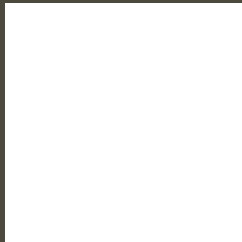
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 31, 8.853, 105.527

Background



This preview shows how black text looks on a background with the CIELCh color 31, 8.853, 105.527.



This preview shows how white text looks on a background with the CIELCh color 31, 8.853, 105.527.

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, 8.853, 105.527

Protanopia

31, 9.055, 96.552

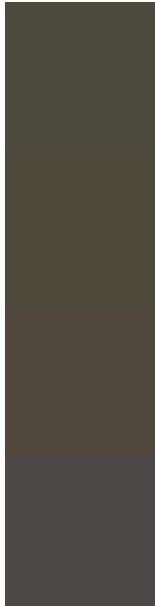
Deuteranopia

31, 9.244, 63.121



Tritanopia
31, 4.648, 324.798

Trichromacy



Original Color

31, 8.853, 105.527

Protanomaly

31, 8.968, 99.503

Deuteranomaly

31, 8.456, 74.966

Tritanomaly

31, 1.883, 39.215

Monochromacy



Original Color

31, 8.853, 105.527

Achromatopsia

31, 0.005, 296.813

Achromatomaly

31, 3.172, 109.582

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 31, 8.853, 105.527 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(75, 74, 60)` looks like.

```
.text, #text, p{  
    color:rgb(75, 74, 60)  
}
```

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(75, 74, 60) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(75, 74, 60) }
```

Border

The CSS property to change the border of an element to CIELCh 31, 8.853, 105.527 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(75, 74, 60) }
```

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

```
.border{ border-color:rgb(75, 74, 60) }
```

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

Here you see how a box with a 4 pixel `rgb(75, 74, 60)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(75, 74, 60); -webkit-box-  
shadow:4px 4px 4px 4px rgb(75, 74, 60);  
box-shadow:4px 4px 4px 4px rgb(75, 74, 60)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 31, 8.853, 105.527 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(75, 74, 60) }
```

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

```
.background{ background-color: rgb(75, 74,  
60) }
```

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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