

Converting Colors

CIELCh(31, 13.813, 105.666)

Have a look what the booklet for
CIELCh(31, 13.813, 105.666)
contains.

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Color

CIELCh(31, 13.842, 105.617)

Conversions

Conversions Part 1

Format	Color
Hex	4B4A34
RGB	75, 74, 52
RGB Percent	29%, 29%, 20%
CMY	0.7057, 0.7096, 0.7959
CMYK	0.00, 0.01, 0.31, 0.71
HSL	57°, 18%, 25%
HSV	57°, 31%, 29%
XYZ	5.9796, 6.6515, 4.2238
YIQ	71.7910, 7.6580, -6.6300

Conversions

Conversions Part 2

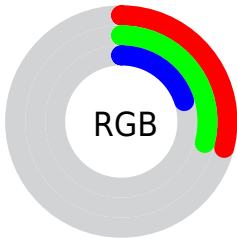
Format	Color
RYB	53, 75, 52
Decimal	4934196
CIELab	31.00, -3.73, 13.33
CIELCh	31, 13.842, 105.617
Yxy	6.6515, 0.3548, 0.3946
Android (android.graphics.Color)	4283124276 (0xFF4B4A34)
YUV	71.7910, -9.7570, 2.8143
Hunter-Lab	25.7905, -3.7479, 8.3432

Details

The CIELCh color **31, 13.842, 105.617** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **23, 14.700, 291.800**, and the grayscale version is **31, 0.005, 296.813**.

A 20% lighter version of the original color is **51, 13.872, 106.606**, and **11, 13.649, 105.293** is the 20% darker color. If you saturate the color by 10%, you get **31, 18.254, 104.718**, and if you desaturate by 10%, it is **31, 9.357, 106.530**.

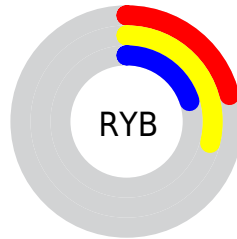
Distribution



Red (29%)

Green (29%)

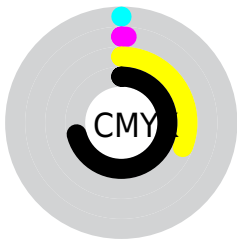
Blue (20%)



Red (21%)

Yellow (29%)

Blue (20%)

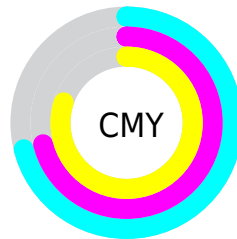


Cyan (0%)

Magenta (1%)

Yellow (31%)

Black (71%)



Cyan (71%)

Magenta (71%)

Yellow (80%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 31, 13.842, 105.617 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, 13.842, 105.617 by changing the saturation by 10% instead.

■ 31, 13.842,
105.617

■ 31, 13.842,
105.617

■ 100, 13.842,
105.617

■ 21, 13.842,
105.617

■ 51, 13.842,
105.617

■ 11, 13.842,
105.617

■ 61, 13.842,
105.617

■ 1, 13.842, 105.617

■ 71, 13.842,
105.617

■ 0, 13.842, 105.617

■ 81, 13.842,
105.617

■ 91, 13.842,
105.617

■ 31, 13.842,
105.617

■ 31, 13.842,
105.617

■ 31, 18.254,
104.718

■ 31, 9.357, 106.530

■ 31, 22.534,
103.835

■ 32, 4.831, 107.432

■ 32, 0.289, 108.193

■ 30, 26.603,
102.990

■ 32, 4.253, 289.214

■ 30, 30.341,
102.202

■ 33, 8.784, 290.055

■ 30, 33.586,
101.496

■ 33, 13.298,
290.869

■ 30, 36.237,
100.882

■ 33, 17.790,
291.650

■ 30, 38.869,
100.313

■ 34, 22.254,
292.398

■ 34, 26.688,
293.110

Harmonies

Complementary

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



31, 13.842, 105.617



23, 14.700, 291.800

Rectangle

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



31, 13.842, 105.617



31, 13.842, 155.617



31, 13.842, 285.617



31, 13.842, 335.617

Sweetspot

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



31, 13.843, 105.621



41, 5.046, 107.549



24, 11.088, 17.770



20, 3.459, 107.479



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, 13.843, 105.621



40, 20.564, 104.923



30, 15.288, 125.981



15, 2.572, 107.607



40, 47.983, 100.193



86, 86.648, 99.993

Inverse Universe

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



23, 14.700, 291.800



28, 22.244, 292.923



24, 15.953, 308.723



14, 2.617, 289.215



9, 65.761, 305.245



29, 121.790, 305.889

Previews

White Background



This preview shows how the CIELCh color 31, 13.842, 105.617 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, 13.842, 105.617 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

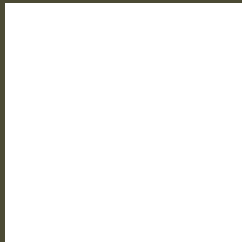
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 31, 13.842, 105.617

Background



This preview shows how black text looks on a background with the CIELCh color 31, 13.842, 105.617.

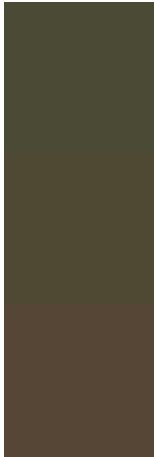


This preview shows how white text looks on a background with the CIELCh color 31, 13.842, 105.617.

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

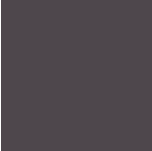
31, 13.842, 105.617

Protanopia

31, 13.565, 95.344

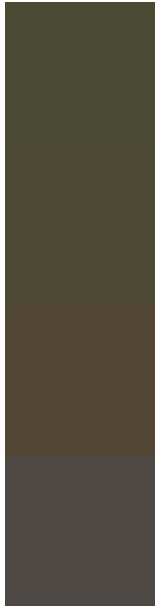
Deuteranopia

31, 13.430, 72.588



Tritanopia
31, 4.432, 334.221

Trichromacy



Original Color

31, 13.842, 105.617

Protanomaly

31, 13.465, 97.366

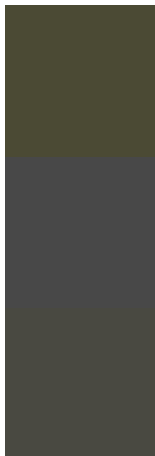
Deuteranomaly

31, 12.646, 83.052

Tritanomaly

31, 3.896, 73.945

Monochromacy



Original Color

31, 13.842, 105.617

Achromatopsia

31, 0.005, 296.813

Achromatomaly

31, 5.074, 109.231

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 31, 13.842, 105.617 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, 52)` looks like.

```
.text, #text, p{  
    color:rgb(75, 74, 52)  
}
```

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, 52) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(75, 74, 52) }
```

Border

The CSS property to change the border of an element to CIELCh 31, 13.842, 105.617 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, 52) }
```

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

```
.border{ border-color:rgb(75, 74, 52) }
```

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, 52)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(75, 74, 52); -webkit-box-  
shadow:4px 4px 4px 4px rgb(75, 74, 52);  
box-shadow:4px 4px 4px 4px rgb(75, 74, 52)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 31, 13.842, 105.617 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, 52) }
```

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

```
.background{ background-color: rgb(75, 74,  
52) }
```

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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