

Converting Colors

CIELCh(31, 51.190, 48.928)

Have a look what the booklet for
CIELCh(31, 51.190, 48.928) contains.

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Color

CIELCh(31, 50.930, 49.136)

Conversions

Conversions Part 1

Format	Color
Hex	802F0A
RGB	128, 47, 10
RGB Percent	50%, 18%, 4%
CMY	0.4978, 0.8155, 0.9606
CMYK	0.00, 0.63, 0.92, 0.50
HSL	19°, 85%, 27%
HSV	19°, 92%, 50%
XYZ	9.9829, 6.6515, 1.0461
YIQ	67.0010, 60.1530, 5.6650

Conversions

Conversions Part 2

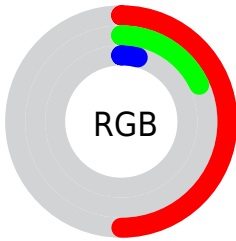
Format	Color
R_{YB}	128, 64, 10
Decimal	8400650
CIE Lab	31.00, 33.32, 38.52
CIE LCh	31, 50.930, 49.136
Yxy	6.6515, 0.5646, 0.3762
Android (android.graphics.Color)	4286590730 (0xFF802F0A)
YUV	67.0010, -28.1015, 53.4961
Hunter-Lab	25.7905, 23.9597, 15.6484

Details

The CIELCh color **31, 50.930, 49.136** is a dark color, and the websafe version is hex **993300**. A complement of this color would be **36, 28.140, 253.454**, and the grayscale version is **29, 0.004, 296.813**.

A 20% lighter version of the original color is **51, 50.921, 48.799**, and **12, 36.694, 29.688** is the 20% darker color. If you saturate the color by 10%, you get **30, 55.295, 48.836**, and if you desaturate by 10%, it is **33, 45.006, 49.667**.

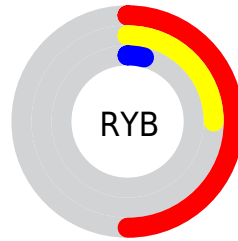
Distribution



Red (50%)

Green (18%)

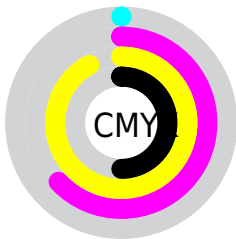
Blue (4%)



Red (50%)

Yellow (25%)

Blue (4%)

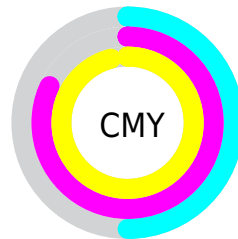


Cyan (0%)

Magenta (63%)

Yellow (92%)

Black (50%)



Cyan (50%)

Magenta (82%)

Yellow (96%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 31, 50.930, 49.136 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, 50.930, 49.136 by changing the saturation by 10% instead.

■ 31, 50.930, 49.136

■ 31, 50.930, 49.136

■ 100, 50.930,
49.136

■ 21, 50.930, 49.136

■ 51, 50.930, 49.136

■ 11, 50.930, 49.136

■ 61, 50.930, 49.136

■ 1, 50.930, 49.136

■ 71, 50.930, 49.136

■ 0, 50.930, 49.136

■ 81, 50.930, 49.136

■ 91, 50.930, 49.136

■ 31, 50.930, 49.136

■ 31, 50.930, 49.136

■ 30, 55.295, 48.836

■ 33, 45.006, 49.667

■ 35, 38.619, 49.902

■ 37, 32.256, 50.104

■ 40, 26.143, 50.377

■ 42, 20.375, 50.748

■ 45, 14.978, 51.216

■ 47, 9.948, 51.762

■ 50, 5.265, 52.354

■ 53, 0.899, 52.695

Harmonies

Complementary

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



31, 50.930, 49.136



36, 28.140, 253.454

Rectangle

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



31, 50.930, 49.136



31, 50.930, 99.136



31, 50.930, 229.136



31, 50.930, 279.136

Sweetspot

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



31, 50.928, 49.138



58, 15.899, 51.400



28, 54.666, 342.964



29, 11.214, 51.207



85, 0.010, 296.813



36, 0.005, 296.813

Same Dimension

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



31, 50.928, 49.138



39, 67.784, 48.376



45, 49.473, 89.435



25, 2.406, 52.531



30, 55.096, 48.834



0, 0.000, 0.000

Inverse Universe

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



36, 28.140, 253.454



45, 36.111, 258.149



19, 62.943, 299.662



26, 2.300, 234.036



35, 29.476, 256.847



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 31, 50.930, 49.136 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, 50.930, 49.136 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, 50.930, 49.136

Background



This preview shows how black text looks on a background with the CIELCh color 31, 50.930, 49.136.



This preview shows how white text looks on a background with the CIELCh color 31, 50.930, 49.136.

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, 50.930, 49.136

Protanopia

31, 33.607, 95.941

Deuteranopia

31, 40.547, 84.410



Tritanopia
31, 41.217, 26.834

Trichromacy



Original Color
31, 50.930, 49.136

Protanomaly
30, 36.062, 72.785

Deuteranomaly
31, 41.848, 68.972

Tritanomaly
31, 44.439, 36.959

Monochromacy



Original Color
31, 50.930, 49.136

Achromatopsia
28, 0.004, 296.813

Achromatomaly
28, 17.517, 51.808

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 31, 50.930, 49.136 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(128, 47, 10)` looks like.

```
.text, #text, p{  
    color:rgb(128, 47, 10)  
}
```

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(128, 47, 10) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 47, 10) }
```

Border

The CSS property to change the border of an element to CIELCh 31, 50.930, 49.136 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(128, 47, 10) }
```

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

```
.border{ border-color:rgb(128, 47, 10) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 47, 10)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 47, 10); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 47, 10);  
box-shadow:4px 4px 4px 4px rgb(128, 47,  
10) }
```

Background

The CSS property to change the background color of an element to CIELCh 31, 50.930, 49.136 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 47, 10) }
```

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

```
.background{ background-color: rgb(128, 47,  
10) }
```

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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