

Converting Colors

CIELCh(51, 32.062, 111.845)

Have a look what the booklet for
CIELCh(51, 32.062, 111.845)
contains.

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Color

CIELCh(51, 31.799, 111.791)

Conversions

Conversions Part 1

Format	Color
Hex	777E46
RGB	119, 126, 70
RGB Percent	47%, 49%, 27%
CMY	0.5335, 0.5061, 0.7257
CMYK	0.06, 0.00, 0.44, 0.51
HSL	68°, 29%, 38%
HSV	68°, 44%, 49%
XYZ	16.1590, 19.2686, 8.6541
YIQ	117.5230, 13.8040, -18.9000

Conversions

Conversions Part 2

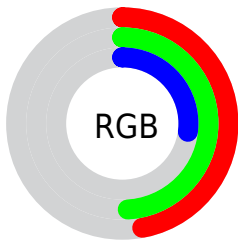
Format	Color
RYB	70, 126, 77
Decimal	7831110
CIELab	51.00, -11.80, 29.53
CIElCh	51, 31.799, 111.791
Yxy	19.2686, 0.3666, 0.4371
Android (android.graphics.Color)	4286021190 (0xFF777E46)
YUV	117.5230, -23.4288, 1.2953
Hunter-Lab	43.8960, -11.1087, 19.0382

Details

The CIELCh color **51, 31.799, 111.791** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **33, 35.432, 299.627**, and the grayscale version is **50, 0.007, 296.813**.

A 20% lighter version of the original color is **71, 32.247, 112.137**, and **31, 31.669, 111.802** is the 20% darker color. If you saturate the color by 10%, you get **51, 38.372, 111.138**, and if you desaturate by 10%, it is **51, 24.893, 112.510**.

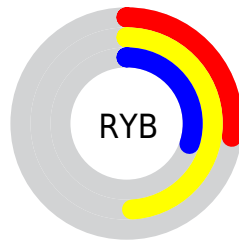
Distribution



Red (47%)

Green (49%)

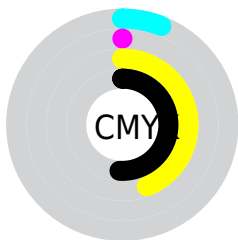
Blue (27%)



Red (27%)

Yellow (49%)

Blue (30%)

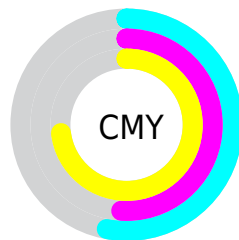


Cyan (6%)

Magenta (0%)

Yellow (44%)

Black (51%)



Cyan (53%)


Magenta (51%)


Yellow (73%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 51, 31.799, 111.791 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 51, 31.799, 111.791 by changing the saturation by 10% instead.


 51, 31.799,
111.791


 51, 31.799,
111.791


 100, 31.799,
111.791


 41, 31.799,
111.791


 71, 31.799,
111.791

 31, 31.799,
111.791

 81, 31.799,
111.791

 21, 31.799,
111.791

 91, 31.799,
111.791

 11, 31.799,
111.791

 1, 31.799, 111.791

 0, 31.799, 111.791

■ 51, 31.799,
111.791

■ 51, 31.799,
111.791

■ 51, 38.372,
111.138

■ 51, 24.893,
112.510

■ 50, 44.418,
110.585

■ 52, 17.781,
113.257

■ 50, 49.678,
110.191

■ 52, 10.549,
114.012

■ 50, 53.836,
110.022

■ 53, 3.255, 114.757

■ 50, 56.664,
110.127

■ 53, 4.061, 295.492

■ 50, 58.051,
110.211

■ 54, 11.373,
296.193

■ 54, 18.661,
296.864

■ 55, 25.909,
297.501

■ 55, 33.107,
298.104

Harmonies

Complementary

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



51, 31.799, 111.791



33, 35.432, 299.627

Rectangle

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



51, 31.799, 111.791



51, 31.799, 161.791



51, 31.799, 291.791



51, 31.799, 341.791

Sweetspot

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



51, 31.800, 111.793



66, 11.725, 114.099



38, 23.793, 32.297



34, 8.160, 113.958



84, 0.010, 296.813



35, 0.005, 296.813

Same Dimension

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



51, 31.800, 111.793



65, 46.174, 111.151



49, 35.245, 131.027



27, 4.157, 114.413



50, 58.565, 110.220



0, 0.000, 0.000

Inverse Universe

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



33, 35.432, 299.627



38, 53.110, 301.005



36, 36.825, 314.917



24, 4.241, 295.802



14, 79.267, 306.900



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 51, 31.799, 111.791 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIELCh color 51, 31.799, 111.791 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

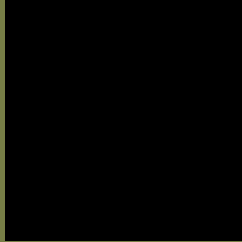
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 51, 31.799, 111.791

Background



This preview shows how black text looks on a background with the CIELCh color 51, 31.799, 111.791.



This preview shows how white text looks on a background with the CIELCh color 51, 31.799, 111.791.

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

51, 31.799, 111.791

Protanopia

51, 30.744, 95.792

Deuteranopia

51, 29.514, 77.528



Tritanopia
51, 6.487, 316.023

Trichromacy



Original Color
51, 31.799, 111.791

Protanomaly
51, 30.753, 101.886

Deuteranomaly
51, 29.218, 90.876

Tritanomaly
51, 8.126, 106.174

Monochromacy



Original Color
51, 31.799, 111.791

Achromatopsia
49, 0.007, 296.813

Achromatomaly
50, 11.659, 112.815

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 51, 31.799, 111.791 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(119, 126, 70)` looks like.

```
.text, #text, p{  
    color:rgb(119, 126, 70)  
}
```

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(119, 126, 70) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 126, 70) }
```

Border

The CSS property to change the border of an element to CIELCh 51, 31.799, 111.791 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(119, 126, 70) }
```

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

```
.border{ border-color:rgb(119, 126, 70) }
```

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

Here you see how a box with a 4 pixel `rgb(119, 126, 70)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(119, 126, 70); -webkit-box-  
shadow:4px 4px 4px 4px rgb(119, 126, 70);  
box-shadow:4px 4px 4px 4px rgb(119, 126,  
70) }
```

Background

The CSS property to change the background color of an element to CIELCh 51, 31.799, 111.791 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 126, 70) }
```

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

```
.background{ background-color: rgb(119,  
126, 70) }
```

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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