

Converting Colors

CIELCh(50, 31.172, 118.846)

Have a look what the booklet for
CIELCh(50, 31.172, 118.846)
contains.

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Color

CIELCh(50, 31.377, 118.497)

Conversions

Conversions Part 1

Format	Color
Hex	6E7D47
RGB	110, 125, 71
RGB Percent	43%, 49%, 28%
CMY	0.5688, 0.5100, 0.7218
CMYK	0.12, 0.00, 0.43, 0.51
HSL	77°, 28%, 38%
HSV	77°, 43%, 49%
XYZ	14.8855, 18.4187, 8.7229
YIQ	114.3590, 8.3940, -19.9740

Conversions

Conversions Part 2

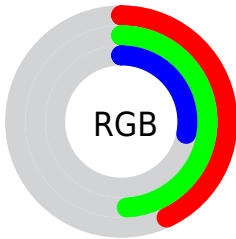
Format	Color
RYB	71, 125, 86
Decimal	7241031
CIELab	50.00, -14.97, 27.58
CIElCh	50, 31.377, 118.497
Yxy	18.4187, 0.3542, 0.4383
Android (android.graphics.Color)	4285431111 (0xFF6E7D47)
YUV	114.3590, -21.3760, -3.8228
Hunter-Lab	42.9170, -13.1928, 17.9912

Details

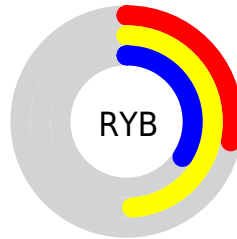
The CIELCh color **50, 31.377, 118.497** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **34, 34.348, 304.125**, and the grayscale version is **48, 0.006, 296.813**.

A 20% lighter version of the original color is **70, 31.839, 118.950**, and **30, 31.402, 118.340** is the 20% darker color. If you saturate the color by 10%, you get **50, 38.137, 118.007**, and if you desaturate by 10%, it is **50, 24.320, 119.053**.

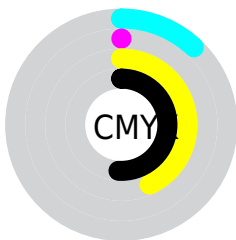
Distribution



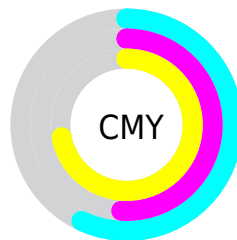
- Red (43%)
- Green (49%)
- Blue (28%)



- Red (28%)
- Yellow (49%)
- Blue (34%)



- Cyan (12%)
- Magenta (0%)
- Yellow (43%)
- Black (51%)





- Cyan (57%)
- Magenta (51%)
- Yellow (72%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 50, 31.377, 118.497 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 50, 31.377, 118.497 by changing the saturation by 10% instead.


 50, 31.377,
118.497


 50, 31.377,
118.497


 100, 31.377,
118.497


 40, 31.377,
118.497


 70, 31.377,
118.497

 30, 31.377,
118.497


 80, 31.377,
118.497


 20, 31.377,
118.497

 90, 31.377,
118.497

 10, 31.377,
118.497

 0, 31.377, 118.497

 50, 31.377,
118.497

 50, 31.377,
118.497

■ 50, 38.137,
118.007

■ 50, 24.320,
119.053

■ 49, 44.423,
117.630

■ 51, 17.082,
119.634

■ 49, 49.990,
117.438

■ 52, 9.746, 120.218

■ 52, 2.369, 120.798

■ 49, 54.539,
117.522

■ 53, 5.011, 301.330

■ 48, 57.797,
117.973

■ 54, 12.366,
301.855

■ 48, 59.703,
118.333

■ 54, 19.676,
302.346

■ 55, 26.924,
302.805

■ 56, 34.100,
303.232

Harmonies

Complementary

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



50, 31.377, 118.497



34, 34.348, 304.125

Rectangle

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



50, 31.377, 118.497



50, 31.377, 168.497



50, 31.377, 298.497



50, 31.377, 348.497

Sweetspot

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



50, 31.378, 118.499



66, 11.926, 120.213



40, 20.881, 45.927



34, 8.301, 120.104



84, 0.010, 296.813



35, 0.005, 296.813

Same Dimension

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



50, 31.378, 118.499



64, 46.360, 118.005



48, 35.641, 135.574



26, 4.084, 120.460



48, 59.704, 118.333



92, 100.927, 119.056

Inverse Universe

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



34, 34.348, 304.125



40, 52.120, 305.062



37, 36.423, 319.581



23, 4.158, 301.495



15, 76.538, 308.345



35, 129.634, 307.888

Previews

White Background



This preview shows how the CIELCh color 50, 31.377, 118.497 looks on a white background.

Color Contrast Check

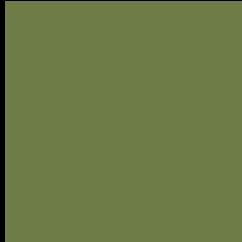
Large Text (above 18pt) WCAG AA ✓ Pass

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 50, 31.377, 118.497 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

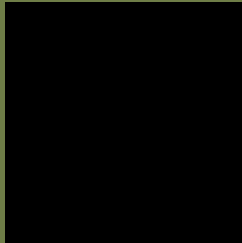
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 50, 31.377, 118.497

Background



This preview shows how black text looks on a background with the CIELCh color 50, 31.377, 118.497.



This preview shows how white text looks on a background with the CIELCh color 50, 31.377, 118.497.

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
50, 31.377, 118.497

Protanopia
50, 29.112, 96.303

Deuteranopia
50, 27.153, 75.102



Tritanopia
50, 5.864, 287.151

Trichromacy



Original Color
50, 31.377, 118.497

Protanomaly
50, 29.116, 104.518

Deuteranomaly
50, 26.369, 91.583

Tritanomaly
50, 8.673, 128.587

Monochromacy



Original Color
50, 31.377, 118.497

Achromatopsia
48, 0.006, 296.813

Achromatomaly
49, 11.871, 118.903

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 31.377, 118.497 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(110, 125, 71)` looks like.

```
.text, #text, p{  
    color:rgb(110, 125, 71)  
}
```

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(110, 125, 71) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(110, 125, 71) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 31.377, 118.497 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(110, 125, 71) }
```

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

```
.border{ border-color:rgb(110, 125, 71) }
```

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

Here you see how a box with a 4 pixel `rgb(110, 125, 71)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(110, 125, 71); -webkit-box-  
shadow:4px 4px 4px 4px rgb(110, 125, 71);  
box-shadow:4px 4px 4px 4px rgb(110, 125,  
71) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 31.377, 118.497 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(110, 125, 71) }
```

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

```
.background{ background-color: rgb(110,  
125, 71) }
```

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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