

Converting Colors

CIELCh(47, 31.140, 151.242)

Have a look what the booklet for
CIELCh(47, 31.140, 151.242)
contains.

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Color

CIELCh(47, 31.251, 150.809)

Conversions

Conversions Part 1

Format	Color
Hex	447B55
RGB	68, 123, 85
RGB Percent	27%, 48%, 33%
CMY	0.7337, 0.5180, 0.6670
CMYK	0.45, 0.00, 0.31, 0.52
HSL	139°, 29%, 37%
HSV	139°, 45%, 48%
XYZ	11.0825, 16.0195, 11.0819
YIQ	102.2230, -20.5820, -23.4780

Conversions

Conversions Part 2

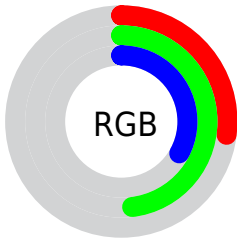
Format	Color
RYB	68, 110, 123
Decimal	4488021
CIELab	47.00, -27.28, 15.24
CIELCh	47, 31.251, 150.809
Yxy	16.0195, 0.2902, 0.4195
Android (android.graphics.Color)	4282678101 (0xFF447B55)
YUV	102.2230, -8.4909, -30.0136
Hunter-Lab	40.0243, -20.6170, 11.6008

Details

The CIELCh color **47, 31.251, 150.809** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **37, 31.622, 337.952**, and the grayscale version is **43, 0.006, 296.813**.

A 20% lighter version of the original color is **67, 31.266, 150.923**, and **27, 31.253, 151.050** is the 20% darker color. If you saturate the color by 10%, you get **46, 37.735, 149.582**, and if you desaturate by 10%, it is **48, 24.458, 151.882**.

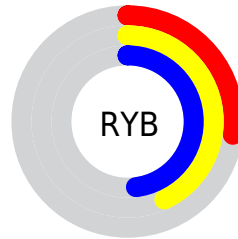
Distribution



Red (27%)

Green (48%)

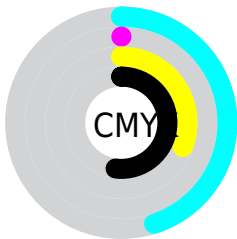
Blue (33%)



Red (27%)

Yellow (43%)

Blue (48%)

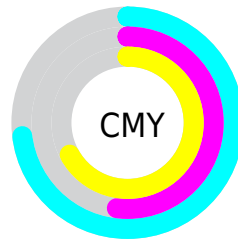


Cyan (45%)

Magenta (0%)

Yellow (31%)

Black (52%)



Cyan (73%)


Magenta (52%)


Yellow (67%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 47, 31.251, 150.809 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 47, 31.251, 150.809 by changing the saturation by 10% instead.

 47, 31.251,
150.809


 47, 31.251,
150.809


 100, 31.251,
150.809


 37, 31.251,
150.809

 67, 31.251,
150.809


 27, 31.251,
150.809

 77, 31.251,
150.809

 17, 31.251,
150.809

 87, 31.251,
150.809

 7, 31.251, 150.809

 97, 31.251,
150.809

 0, 31.251, 150.809

 47, 31.251,

 47, 31.251,

150.809

150.809

■ 46, 37.735,
149.582

■ 48, 24.458,
151.882

■ 46, 43.785,
148.188

■ 49, 17.473,
152.822

■ 45, 49.284,
146.621

■ 50, 10.402,
153.651

■ 45, 54.136,
144.892

■ 51, 3.333, 154.419

■ 45, 58.297,
143.060

■ 52, 3.665, 334.919

■ 45, 60.311,
142.196

■ 54, 10.541,
335.527

■ 55, 17.257,
336.043

■ 57, 23.791,
336.503

■ 58, 30.130,
336.919

Harmonies

Complementary

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



47, 31.251, 150.809



37, 31.622, 337.952

Rectangle

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



47, 31.251, 150.809



47, 31.251, 200.809



47, 31.251, 330.809



47, 31.251, 20.809

Sweetspot

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



47, 31.252, 150.809



64, 11.407, 153.762



49, 32.133, 119.344



33, 8.049, 153.615



84, 0.010, 296.813



35, 0.005, 296.813

Same Dimension

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



47, 31.252, 150.809



60, 46.293, 149.506



48, 21.070, 179.096



25, 3.949, 154.086



45, 61.085, 142.158



87, 105.547, 141.020

Inverse Universe

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



37, 31.622, 337.952



44, 46.619, 338.911



36, 25.326, 8.729



24, 3.969, 335.219



27, 54.452, 344.818



56, 90.745, 346.017

Previews

White Background



This preview shows how the CIELCh color 47, 31.251, 150.809 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 × Fail

Black Background



This preview shows how the CIE LCh color 47, 31.251, 150.809 looks on a black 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

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

CIELCh 47, 31.251, 150.809

Background



This preview shows how black text looks on a background with the CIELCh color 47, 31.251, 150.809.



This preview shows how white text looks on a background with the CIELCh color 47, 31.251, 150.809.

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

47, 31.251, 150.809

Protanopia

47, 18.538, 96.419

Deuteranopia

47, 14.572, 66.392



Tritanopia
47, 14.838, 219.223

Trichromacy



Original Color
47, 31.251, 150.809

Protanomaly
46, 20.389, 126.162

Deuteranomaly
46, 14.912, 118.191

Tritanomaly
47, 17.750, 181.908

Monochromacy



Original Color
47, 31.251, 150.809

Achromatopsia
43, 0.006, 296.813

Achromatomaly
44, 11.794, 153.030

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 47, 31.251, 150.809 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(68, 123, 85)` looks like.

```
.text, #text, p{  
    color:rgb(68, 123, 85)  
}
```

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(68, 123, 85) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(68, 123, 85) }
```

Border

The CSS property to change the border of an element to CIELCh 47, 31.251, 150.809 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(68, 123, 85) }
```

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

```
.border{ border-color:rgb(68, 123, 85) }
```

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

Here you see how a box with a 4 pixel `rgb(68, 123, 85)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(68, 123, 85); -webkit-box-  
shadow:4px 4px 4px 4px rgb(68, 123, 85);  
box-shadow:4px 4px 4px 4px rgb(68, 123,  
85) }
```

Background

The CSS property to change the background color of an element to CIELCh 47, 31.251, 150.809 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(68, 123, 85) }
```

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

```
.background{ background-color: rgb(68, 123,  
85) }
```

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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