

Converting Colors

CIELCh(52, 31.520, 105.803)

Have a look what the booklet for
CIELCh(52, 31.520, 105.803)
contains.

CIELCh(52, 31.597, 106.124)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(52, 31.597, 106.124)

Conversions

Conversions Part 1	
Format	Color
Hex	7F7F47
RGB	127, 127, 71
RGB Percent	50%, 50%, 28%
CMY	0.5020, 0.5020, 0.7216
CMYK	0.00, 0.00, 0.44, 0.50
HSL	60°, 28%, 39%
HSV	60°, 44%, 50%
XYZ	17.4779, 20.1443, 8.9277
YIQ	120.6160, 17.9760, -17.4160

Conversions

Conversions Part 2

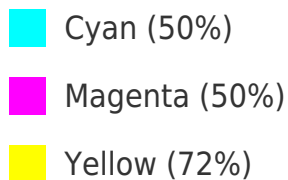
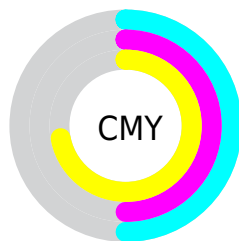
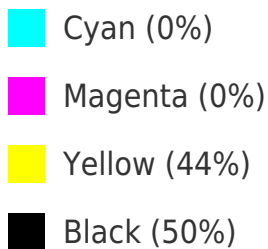
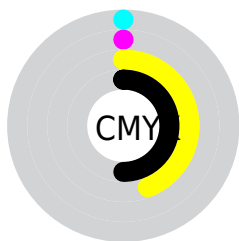
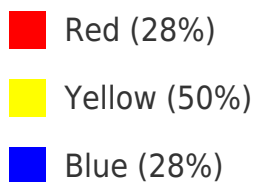
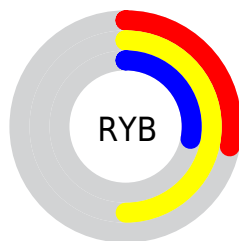
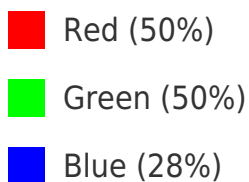
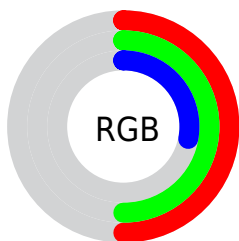
Format	Color
RYB	71, 127, 71
Decimal	8355655
CIELab	52.00, -8.78, 30.35
CIELCh	52, 31.597, 106.124
Yxy	20.1443, 0.3755, 0.4327
Android (android.graphics.Color)	4286545735 (0xFF7F7F47)
YUV	120.6160, -24.4607, 5.5988
Hunter-Lab	44.8824, -9.0337, 19.6242

Details

The CIELCh color **52, 31.597, 106.124** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **33, 35.322, 295.982**, and the grayscale version is **51, 0.007, 296.813**.

A 20% lighter version of the original color is **72, 31.553, 106.295**, and **32, 31.398, 106.378** is the 20% darker color. If you saturate the color by 10%, you get **52, 38.184, 105.282**, and if you desaturate by 10%, it is **52, 24.675, 107.022**.


Distribution





Brightness & Saturation Gradients


These gradients show how the CIELCh color 52, 31.597, 106.124 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 52, 31.597, 106.124 by changing the saturation by 10% instead.


 52, 31.597,
106.124


 52, 31.597,
106.124


 100, 31.597,
106.124


 42, 31.597,
106.124


 72, 31.597,
106.124

 32, 31.597,
106.124

 82, 31.597,
106.124

 22, 31.597,
106.124

 92, 31.597,
106.124

 12, 31.597,
106.124

 2, 31.597, 106.124

 0, 31.597, 106.124

■ 52, 31.597,
106.124

■ 52, 31.597,
106.124

■ 52, 38.184,
105.282

■ 52, 24.675,
107.022

■ 52, 44.239,
104.515

■ 52, 17.548,
107.944

■ 52, 49.495,
103.861

■ 53, 10.302,
108.874

■ 52, 53.633,
103.355

■ 53, 2.995, 109.790

■ 52, 56.403,
103.022

■ 53, 4.337, 290.726

■ 51, 57.806,
102.856

■ 54, 11.667,
291.605

■ 54, 18.979,
292.459

■ 55, 26.259,
293.278

■ 55, 33.499,
294.059

Harmonies

Complementary

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



52, 31.597, 106.124



33, 35.322, 295.982

Rectangle

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



52, 31.597, 106.124



52, 31.597, 156.124



52, 31.597, 286.124



52, 31.597, 336.124

Sweetspot

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



52, 31.598, 106.127



67, 11.814, 108.947



37, 26.093, 23.694



35, 8.328, 108.769



85, 0.010, 296.813



36, 0.005, 296.813

Same Dimension

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



52, 31.598, 106.127



66, 46.497, 105.268



50, 34.074, 127.087



27, 4.136, 109.336



52, 57.970, 102.856



0, 0.000, 0.000

Inverse Universe

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



33, 35.322, 295.982



37, 53.863, 297.916



35, 36.234, 311.200



24, 4.222, 291.081



13, 80.046, 306.287



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 52, 31.597, 106.124 looks on a white background.

Color Contrast Check

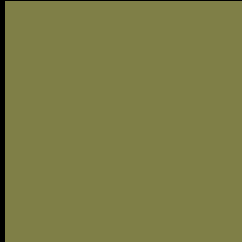
Large Text (above 18pt) WCAG AA ✓ Pass

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 52, 31.597, 106.124 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

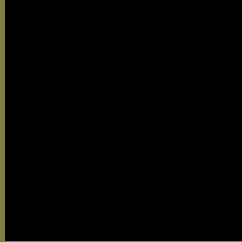
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 52, 31.597, 106.124

Background



This preview shows how black text looks on a background with the CIELCh color 52, 31.597, 106.124.



This preview shows how white text looks on a background with the CIELCh color 52, 31.597, 106.124.

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


52, 31.597, 106.124

Protanopia

52, 31.170, 95.998

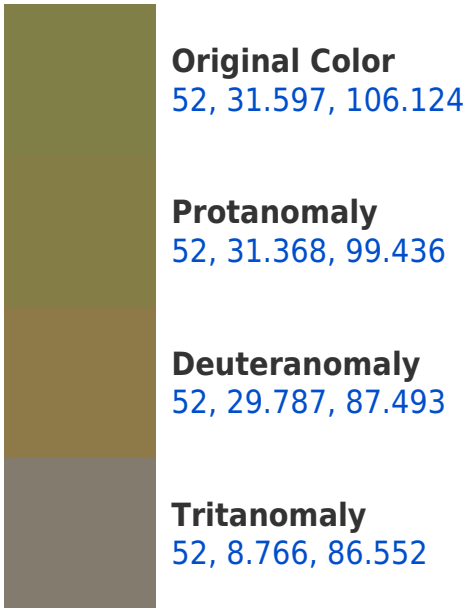
Deuteranopia

52, 30.423, 76.520



Tritanopia
52, 7.803, 332.199

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIElCh 52, 31.597, 106.124 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(127, 127, 71)` looks like.

```
.text, #text, p{  
    color:rgb(127, 127, 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(127, 127, 71) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 127, 71) }
```

Border

The CSS property to change the border of an element to CIELCh 52, 31.597, 106.124 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(127, 127, 71) }
```

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

```
.border{ border-color:rgb(127, 127, 71) }
```

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

Here you see how a box with a 4 pixel rgb(127, 127, 71) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 127, 71); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 127, 71);  
box-shadow:4px 4px 4px 4px rgb(127, 127,  
71) }
```

Background

The CSS property to change the background color of an element to CIELCh 52, 31.597, 106.124 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 127, 71) }
```

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

```
.background{ background-color: rgb(127,  
127, 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](#).

Hey! You found this booklet
interesting? Support Converting
Colors with the new Membership
Option!

The pro membership hides all ads, plus gives you
double the colors in the color bucket, and more
awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor