

Converting Colors

CIELCh(52, 12.790, 131.262)

Have a look what the booklet for
CIELCh(52, 12.790, 131.262)
contains.

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Color

CIELCh(52, 13.117, 130.845)

Conversions

Conversions Part 1

Format	Color
Hex	74806B
RGB	116, 128, 107
RGB Percent	45%, 50%, 42%
CMY	0.5459, 0.4988, 0.5811
CMYK	0.09, 0.00, 0.16, 0.50
HSL	94°, 9%, 46%
HSV	94°, 16%, 50%
XYZ	17.5141, 20.1443, 16.8227
YIQ	122.0180, -0.4110, -9.0750

Conversions

Conversions Part 2

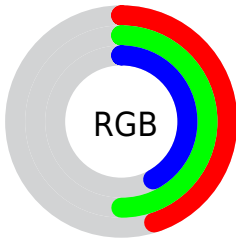
Format	Color
RYB	107, 128, 119
Decimal	7635051
CIELab	52.00, -8.58, 9.92
CIELCh	52, 13.117, 130.845
Yxy	20.1443, 0.3215, 0.3697
Android (android.graphics.Color)	4285825131 (0xFF74806B)
YUV	122.0180, -7.4039, -5.2778
Hunter-Lab	44.8824, -8.8896, 9.1948

Details

The CIELCh color $52, 13.117, 130.845$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $47, 13.358, 312.204$, and the grayscale version is $51, 0.007, 296.813$.

A 20% lighter version of the original color is $72, 13.454, 130.782$, and $32, 12.947, 130.814$ is the 20% darker color. If you saturate the color by 10%, you get $51, 21.104, 130.387$, and if you desaturate by 10%, it is $53, 5.118, 131.289$.

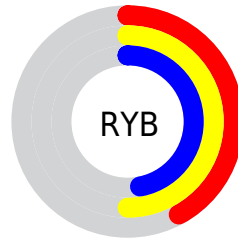
Distribution



Red (45%)

Green (50%)

Blue (42%)



Red (42%)

Yellow (50%)

Blue (47%)

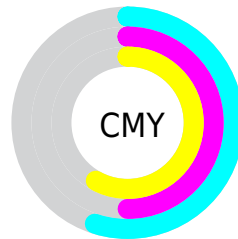


Cyan (9%)

Magenta (0%)

Yellow (16%)

Black (50%)



Cyan (55%)


Magenta (50%)


Yellow (58%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 52, 13.117, 130.845 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, 13.117, 130.845 by changing the saturation by 10% instead.


 52, 13.117,
130.845


 52, 13.117,
130.845


 100, 13.117,
130.845


 42, 13.117,
130.845


 72, 13.117,
130.845


 32, 13.117,
130.845


 82, 13.117,
130.845

 22, 13.117,
130.845

 92, 13.117,
130.845

 12, 13.117,
130.845

 2, 13.117, 130.845

 0, 13.117, 130.845

■ 52, 13.117,
130.845

■ 52, 13.117,
130.845

■ 51, 21.104,
130.387

■ 53, 5.118, 131.289

■ 50, 29.000,
129.916

■ 54, 2.844, 311.628

■ 50, 36.701,
129.456

■ 55, 10.729,
312.013

■ 49, 44.060,
129.049

■ 56, 18.509,
312.339

■ 49, 50.869,
128.762

■ 57, 26.166,
312.628

■ 48, 56.853,
128.687

■ 58, 33.687,
312.883

■ 48, 61.694,
128.939

■ 60, 41.063,
313.108

■ 47, 65.276,

■ 61, 48.291,
313.306

129.543

■ 62, 55.370,
313.479

■ 47, 66.490,
129.720

Harmonies

Complementary

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



52, 13.117, 130.845



47, 13.358, 312.204

Rectangle

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



52, 13.117, 130.845



52, 13.117, 180.845



52, 13.117, 310.845



52, 13.117, 0.845

Sweetspot

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



52, 13.118, 130.847



67, 4.920, 131.348



50, 7.916, 80.239



35, 3.384, 131.321



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, 13.118, 130.847



66, 19.760, 130.664



51, 14.267, 145.297



26, 4.484, 131.171



47, 66.372, 129.716



0, 0.000, 0.000

Inverse Universe

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



47, 13.358, 312.204



58, 20.210, 312.385



48, 14.287, 327.166



25, 4.534, 311.883



20, 73.301, 313.994



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 52, 13.117, 130.845 looks on a white background.

Color Contrast Check

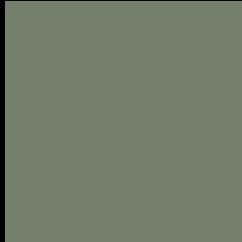
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

Black Background



This preview shows how the CIE LCh color 52, 13.117, 130.845 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

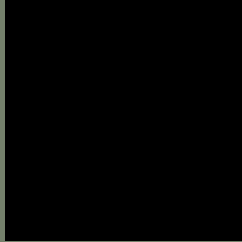
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 52, 13.117, 130.845

Background



This preview shows how black text looks on a background with the CIELCh color 52, 13.117, 130.845.



This preview shows how white text looks on a background with the CIELCh color 52, 13.117, 130.845.

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, 13.117, 130.845

Protanopia

52, 11.259, 95.688

Deuteranopia

52, 11.059, 51.597



Tritanopia
52, 5.978, 276.059

Trichromacy



Original Color
52, 13.117, 130.845

Protanomaly
52, 10.962, 108.771

Deuteranomaly
52, 9.144, 81.605

Tritanomaly
52, 2.831, 187.389

Monochromacy



Original Color
52, 13.117, 130.845

Achromatopsia
51, 0.007, 296.813

Achromatomaly
51, 4.927, 128.816

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 52, 13.117, 130.845 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(116, 128, 107)` looks like.

```
.text, #text, p{  
    color:rgb(116, 128, 107)  
}
```

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(116, 128, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 128, 107) }
```

Border

The CSS property to change the border of an element to CIELCh 52, 13.117, 130.845 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(116, 128, 107) }
```

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

```
.border{ border-color:rgb(116, 128, 107) }
```

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

Here you see how a box with a 4 pixel `rgb(116, 128, 107)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(116, 128, 107); -webkit-box-shadow:4px 4px 4px 4px rgb(116, 128, 107); box-shadow:4px 4px 4px 4px rgb(116, 128, 107) }
```

Background

The CSS property to change the background color of an element to CIELCh 52, 13.117, 130.845 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 128, 107) }
```

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

```
.background{ background-color: rgb(116,  
128, 107) }
```

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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