

Converting Colors

CIELCh(47, 17.313, 129.736)

Have a look what the booklet for
CIELCh(47, 17.313, 129.736)
contains.

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Color

CIELCh(47, 17.099, 130.000)

Conversions

Conversions Part 1

Format	Color
Hex	657459
RGB	101, 116, 89
RGB Percent	40%, 45%, 35%
CMY	0.6034, 0.5446, 0.6505
CMYK	0.13, 0.00, 0.23, 0.54
HSL	93°, 13%, 40%
HSV	93°, 23%, 46%
XYZ	13.4510, 16.0195, 11.8626
YIQ	108.4370, -0.2730, -11.5770

Conversions

Conversions Part 2

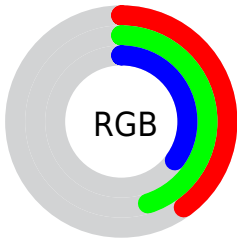
Format	Color
R_{YB}	89, 116, 104
Decimal	6648921
CIE _{Lab}	47.00, -10.99, 13.10
CIE _{LCh}	47, 17.099, 130.000
Yxy	16.0195, 0.3254, 0.3876
Android (android.graphics.Color)	4284839001 (0xFF657459)
YUV	108.4370, -9.5824, -6.5222
Hunter-Lab	40.0243, -10.0538, 10.4443

Details

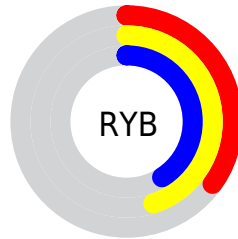
The CIELCh color $47, 17.099, 130.000$ is a dark color, and the websafe version is hex 666633 . A complement of this color would be $40, 17.558, 311.973$, and the grayscale version is $46, 0.006, 296.813$.

A 20% lighter version of the original color is $67, 17.153, 130.114$, and $27, 17.340, 129.647$ is the 20% darker color. If you saturate the color by 10%, you get $46, 24.403, 129.538$, and if you desaturate by 10%, it is $48, 9.740, 130.451$.

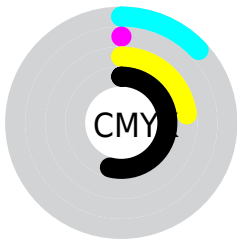
Distribution



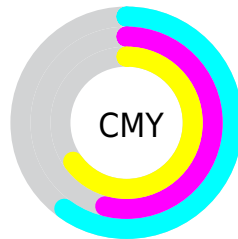
- Red (40%)
- Green (45%)
- Blue (35%)



- Red (35%)
- Yellow (45%)
- Blue (41%)



- Cyan (13%)
- Magenta (0%)
- Yellow (23%)
- Black (54%)



- Cyan (60%)
- Magenta (54%)
- Yellow (65%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 47, 17.099, 130.000 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, 17.099, 130.000 by changing the saturation by 10% instead.

 47, 17.099,
130.000

 47, 17.099,
130.000

 100, 17.099,
130.000


 37, 17.099,
130.000

 67, 17.099,
130.000


 27, 17.099,
130.000

 77, 17.099,
130.000

 17, 17.099,
130.000


 87, 17.099,
130.000

 7, 17.099, 130.000

 97, 17.099,
130.000

 0, 17.099, 130.000

 47, 17.099,

 47, 17.099,

130.000

130.000

■ 46, 24.403,
129.538

■ 48, 9.740, 130.451

■ 46, 31.565,
129.079

■ 49, 2.381, 130.896

■ 50, 4.933, 311.222

■ 45, 38.468,
128.658

■ 50, 12.171,
311.581

■ 45, 44.947,
128.330

■ 51, 19.312,
311.897

■ 44, 50.776,
128.175

■ 52, 26.339,
312.178

■ 44, 55.678,
128.298

■ 54, 33.243,
312.427

■ 43, 59.405,
128.796

■ 55, 40.017,
312.647

■ 43, 61.680,
129.104

■ 56, 46.659,

Harmonies

Complementary

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



47, 17.099, 130.000



40, 17.558, 311.973

Rectangle

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



47, 17.099, 130.000



47, 17.099, 180.000



47, 17.099, 310.000



47, 17.099, 0.000

Sweetspot

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



47, 17.100, 130.002



62, 6.347, 130.716



45, 10.356, 77.787



32, 4.157, 130.698



82, 0.010, 296.813



33, 0.005, 296.813

Same Dimension

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



47, 17.100, 130.002



59, 25.435, 129.750



46, 18.919, 144.345



24, 4.165, 130.634



45, 64.102, 129.194



88, 109.669, 130.059

Inverse Universe

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



40, 17.558, 311.973



49, 26.287, 312.226



41, 18.936, 327.042



23, 4.212, 311.340



19, 71.387, 313.633



42, 121.644, 313.026

Previews

White Background



This preview shows how the CIELCh color 47, 17.099, 130.000 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 CIELCh color 47, 17.099, 130.000 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

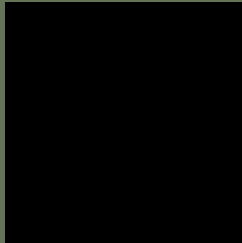
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 47, 17.099, 130.000

Background



This preview shows how black text looks on a background with the CIELCh color 47, 17.099, 130.000.



This preview shows how white text looks on a background with the CIELCh color 47, 17.099, 130.000.

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, 17.099, 130.000

Protanopia

47, 14.552, 94.123

Deuteranopia

47, 13.678, 63.379



Tritanopia
47, 5.767, 267.065

Trichromacy



Original Color
47, 17.099, 130.000

Protanomaly
47, 14.653, 108.150

Deuteranomaly
47, 12.440, 89.991

Tritanomaly
47, 5.041, 163.012

Monochromacy



Original Color
47, 17.099, 130.000

Achromatopsia
46, 0.006, 296.813

Achromatomaly
46, 6.432, 132.144

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 47, 17.099, 130.000 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(101, 116, 89)` looks like.

```
.text, #text, p{  
    color:rgb(101, 116, 89)  
}
```

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(101, 116, 89) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(101, 116, 89) }
```

Border

The CSS property to change the border of an element to CIELCh 47, 17.099, 130.000 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(101, 116, 89) }
```

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

```
.border{ border-color:rgb(101, 116, 89) }
```

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

Here you see how a box with a 4 pixel `rgb(101, 116, 89)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(101, 116, 89); -webkit-box-  
shadow:4px 4px 4px 4px rgb(101, 116, 89);  
box-shadow:4px 4px 4px 4px rgb(101, 116,  
89) }
```

Background

The CSS property to change the background color of an element to CIELCh 47, 17.099, 130.000 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(101, 116, 89) }
```

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

```
.background{ background-color: rgb(101,  
116, 89) }
```

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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