

Converting Colors

CIELCh(48, 12.521, 118.169)

Have a look what the booklet for
CIELCh(48, 12.521, 118.169)
contains.

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Color

CIELCh(48, 12.479, 118.359)

Conversions

Conversions Part 1

Format	Color
Hex	6F745F
RGB	111, 116, 95
RGB Percent	44%, 45%, 37%
CMY	0.5635, 0.5439, 0.6263
CMYK	0.04, 0.00, 0.18, 0.54
HSL	74°, 10%, 41%
HSV	74°, 18%, 46%
XYZ	14.9556, 16.7945, 13.3521
YIQ	112.1110, 3.7610, -7.5910

Conversions

Conversions Part 2

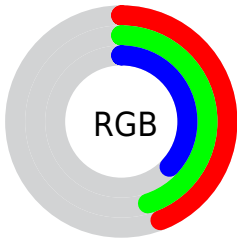
Format	Color
R_{YB}	95, 116, 100
Decimal	7304287
CIE _{Lab}	48.00, -5.93, 10.98
CIE _{LCh}	48, 12.479, 118.359
Yxy	16.7945, 0.3316, 0.3724
Android (android.graphics.Color)	4285494367 (0xFF6F745F)
YUV	112.1110, -8.4357, -0.9743
Hunter-Lab	40.9810, -6.5751, 9.3693

Details

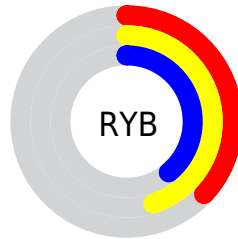
The CIELCh color **48, 12.479, 118.359** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **42, 12.929, 300.663**, and the grayscale version is **47, 0.006, 296.813**.

A 20% lighter version of the original color is **68, 12.755, 117.777**, and **28, 12.392, 118.892** is the 20% darker color. If you saturate the color by 10%, you get **48, 19.317, 117.745**, and if you desaturate by 10%, it is **49, 5.578, 118.978**.

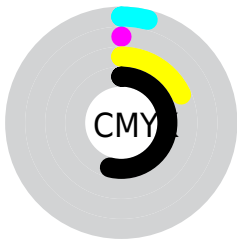
Distribution



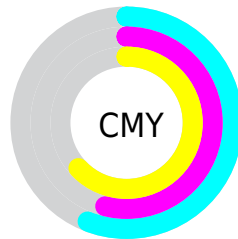
- Red (44%)
- Green (45%)
- Blue (37%)



- Red (37%)
- Yellow (45%)
- Blue (39%)



- Cyan (4%)
- Magenta (0%)
- Yellow (18%)
- Black (54%)




- Cyan (56%)
- Magenta (54%)
- Yellow (63%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 48, 12.479, 118.359 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 48, 12.479, 118.359 by changing the saturation by 10% instead.


 48, 12.479,
118.359


 48, 12.479,
118.359


 100, 12.479,
118.359


 38, 12.479,
118.359

 68, 12.479,
118.359


 28, 12.479,
118.359

 78, 12.479,
118.359

 18, 12.479,
118.359


 88, 12.479,
118.359

 8, 12.479, 118.359

 98, 12.479,
118.359

 0, 12.479, 118.359

 48, 12.479,

 48, 12.479,

118.359

■ 48, 19.317,
117.745

■ 47, 26.026,
117.140

■ 47, 32.518,
116.577

■ 46, 38.660,
116.093

■ 46, 44.260,
115.746

■ 46, 49.064,
115.611

■ 45, 52.782,
115.773

■ 45, 55.551,
116.186

118.359

■ 49, 5.578, 118.978

■ 49, 1.347, 299.558

■ 50, 8.266, 300.140

■ 50, 15.156,
300.684

■ 51, 22.001,
301.196

■ 52, 28.790,
301.675

■ 52, 35.513,
302.121

■ 53, 42.163,
302.536

■ 54, 48.735,

■ 45, 56.098,
116.253

302.921

Harmonies

Complementary

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



48, 12.479, 118.359



42, 12.929, 300.663

Rectangle

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



48, 12.479, 118.359



48, 12.479, 168.359



48, 12.479, 298.359



48, 12.479, 348.359

Sweetspot

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



48, 12.480, 118.363



62, 4.268, 119.157



44, 7.565, 42.821



32, 2.935, 119.123



82, 0.010, 296.813



33, 0.005, 296.813

Same Dimension

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



48, 12.480, 118.363



61, 18.740, 118.085



47, 13.978, 135.999



24, 3.920, 118.918



47, 58.202, 116.319



91, 99.008, 116.989

Inverse Universe

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



42, 12.929, 300.663



51, 19.596, 301.010



43, 14.138, 317.505



22, 3.993, 300.022



14, 75.869, 307.896



34, 129.396, 307.472

Previews

White Background



This preview shows how the CIELCh color 48, 12.479, 118.359 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 48, 12.479, 118.359 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

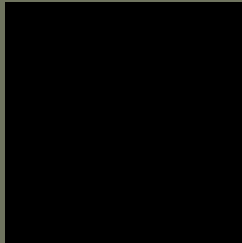
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

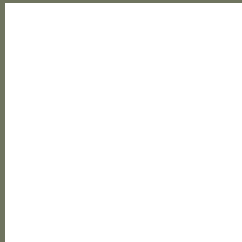
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 48, 12.479, 118.359

Background



This preview shows how black text looks on a background with the CIELCh color 48, 12.479, 118.359.



This preview shows how white text looks on a background with the CIELCh color 48, 12.479, 118.359.

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


48, 12.479, 118.359

Protanopia

48, 12.001, 96.039

Deuteranopia

48, 12.002, 59.359



Tritanopia
48, 5.382, 299.319

Trichromacy



Original Color
48, 12.479, 118.359

Protanomaly
48, 12.313, 104.478

Deuteranomaly
48, 10.765, 79.938

Tritanomaly
48, 1.171, 109.983

Monochromacy



Original Color
48, 12.479, 118.359

Achromatopsia
47, 0.006, 296.813

Achromatomaly
48, 4.781, 119.504

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 12.479, 118.359 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(111, 116, 95)` looks like.

```
.text, #text, p{  
    color:rgb(111, 116, 95)  
}
```

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(111, 116, 95) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(111, 116, 95) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 12.479, 118.359 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(111, 116, 95) }
```

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

```
.border{ border-color:rgb(111, 116, 95) }
```

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

Here you see how a box with a 4 pixel `rgb(111, 116, 95)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(111, 116, 95); -webkit-box-  
shadow:4px 4px 4px 4px rgb(111, 116, 95);  
box-shadow:4px 4px 4px 4px rgb(111, 116,  
95) }
```

Background

The CSS property to change the background color of an element to CIELCh 48, 12.479, 118.359 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(111, 116, 95) }
```

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

```
.background{ background-color: rgb(111,  
116, 95) }
```

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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