

Converting Colors

CIELCh(48, 13.081, 108.415)

Have a look what the booklet for
CIELCh(48, 13.081, 108.415)
contains.

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Color

CIELCh(48, 12.869, 108.422)

Conversions

Conversions Part 1

Format	Color
Hex	73735D
RGB	115, 115, 93
RGB Percent	45%, 45%, 36%
CMY	0.5478, 0.5478, 0.6341
CMYK	0.00, 0.00, 0.19, 0.55
HSL	60°, 11%, 41%
HSV	60°, 19%, 45%
XYZ	15.2670, 16.7945, 12.8631
YIQ	112.4920, 7.0620, -6.8420

Conversions

Conversions Part 2

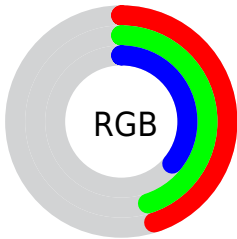
Format	Color
R_{YB}	93, 115, 93
Decimal	7566173
CIE _{Lab}	48.00, -4.07, 12.21
CIE _{LCh}	48, 12.869, 108.422
Yxy	16.7945, 0.3398, 0.3738
Android (android.graphics.Color)	4285756253 (0xFF73735D)
YUV	112.4920, -9.6096, 2.1995
Hunter-Lab	40.9810, -5.2187, 10.0768

Details

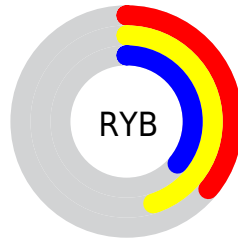
The CIELCh color **48, 12.869, 108.422** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **40, 13.418, 292.195**, and the grayscale version is **48, 0.006, 296.813**.

A 20% lighter version of the original color is **68, 13.136, 108.813**, and **28, 12.790, 107.634** is the 20% darker color. If you saturate the color by 10%, you get **48, 19.520, 107.508**, and if you desaturate by 10%, it is **48, 6.142, 109.345**.

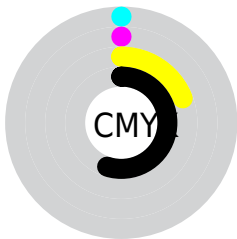
Distribution



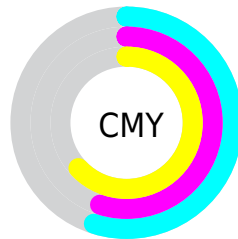
- Red (45%)
- Green (45%)
- Blue (36%)



- Red (36%)
- Yellow (45%)
- Blue (36%)



- Cyan (0%)
- Magenta (0%)
- Yellow (19%)
- Black (55%)



- Cyan (55%)
- Magenta (55%)
- Yellow (63%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 48, 12.869, 108.422 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, 12.869, 108.422 by changing the saturation by 10% instead.


 48, 12.869,
108.422


 48, 12.869,
108.422

 100, 12.869,
108.422

 38, 12.869,
108.422

 68, 12.869,
108.422

 28, 12.869,
108.422

 78, 12.869,
108.422

 18, 12.869,
108.422


 88, 12.869,
108.422

 8, 12.869, 108.422

 98, 12.869,
108.422

 0, 12.869, 108.422

 48, 12.869,

 48, 12.869,

108.422

108.422

■ 48, 19.520,
107.508

■ 48, 6.142, 109.345

■ 48, 26.029,
106.605

■ 49, 0.624, 290.331

■ 49, 7.399, 291.158

■ 47, 32.301,
105.738

■ 49, 14.164,
292.019

■ 47, 38.194,
104.932

■ 50, 20.907,
292.848

■ 47, 43.501,
104.217

■ 50, 27.616,
293.642

■ 47, 47.954,
103.628

■ 51, 34.284,
294.397

■ 47, 51.264,
103.197

■ 51, 40.904,
295.113

■ 47, 53.711,
102.884

■ 52, 47.472,

■ 47, 53.941,
102.855

295.789

Harmonies

Complementary

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



48, 12.869, 108.422



40, 13.418, 292.195

Rectangle

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



48, 12.869, 108.422



48, 12.869, 158.422



48, 12.869, 288.422



48, 12.869, 338.422

Sweetspot

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



48, 12.870, 108.427



62, 5.042, 109.610



42, 9.551, 20.659



32, 3.370, 109.567



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, 12.870, 108.427



61, 19.248, 108.012



47, 13.763, 128.251



25, 3.857, 109.348



50, 56.293, 102.855



95, 95.438, 102.855

Inverse Universe

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



40, 13.418, 292.195



50, 20.283, 292.764



41, 14.107, 309.907



22, 3.936, 291.065



12, 77.730, 306.287



32, 131.782, 306.287

Previews

White Background



This preview shows how the CIELCh color 48, 12.869, 108.422 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, 12.869, 108.422 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

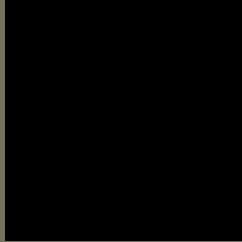
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

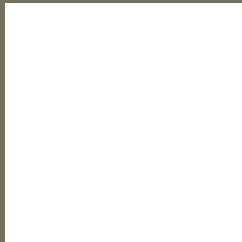
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 48, 12.869, 108.422

Background



This preview shows how black text looks on a background with the CIELCh color 48, 12.869, 108.422.



This preview shows how white text looks on a background with the CIELCh color 48, 12.869, 108.422.

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, 12.869, 108.422

Protanopia

48, 12.672, 94.564

Deuteranopia

48, 13.536, 60.503



Tritanopia
48, 5.518, 321.276

Trichromacy



Original Color
48, 12.869, 108.422

Protanomaly
48, 12.489, 98.469

Deuteranomaly
48, 11.999, 75.619

Tritanomaly
48, 2.702, 60.127

Monochromacy



Original Color
48, 12.869, 108.422

Achromatopsia
48, 0.006, 296.813

Achromatomaly
48, 4.698, 109.531

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 12.869, 108.422 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(115, 115, 93)` looks like.

```
.text, #text, p{  
    color:rgb(115, 115, 93)  
}
```

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(115, 115, 93) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(115, 115, 93) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 12.869, 108.422 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(115, 115, 93) }
```

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

```
.border{ border-color:rgb(115, 115, 93) }
```

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

Here you see how a box with a 4 pixel `rgb(115, 115, 93)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(115, 115, 93); -webkit-box-  
shadow:4px 4px 4px 4px rgb(115, 115, 93);  
box-shadow:4px 4px 4px 4px rgb(115, 115,  
93) }
```

Background

The CSS property to change the background color of an element to CIELCh 48, 12.869, 108.422 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(115, 115, 93) }
```

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

```
.background{ background-color: rgb(115,  
115, 93) }
```

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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