

Converting Colors

CIELCh(48, 15.740, 111.626)

Have a look what the booklet for
CIELCh(48, 15.740, 111.626)
contains.

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Color

CIELCh(48, 15.774, 111.204)

Conversions

Conversions Part 1

Format	Color
Hex	727459
RGB	114, 116, 89
RGB Percent	45%, 45%, 35%
CMY	0.5529, 0.5450, 0.6509
CMYK	0.02, 0.00, 0.23, 0.55
HSL	64°, 13%, 40%
HSV	64°, 23%, 45%
XYZ	14.9926, 16.7945, 11.9062
YIQ	112.3240, 7.4750, -8.8210

Conversions

Conversions Part 2

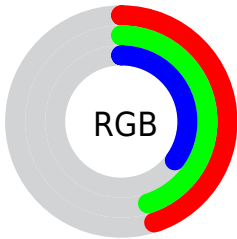
Format	Color
R _Y B	89, 116, 91
Decimal	7500889
CIE Lab	48.00, -5.71, 14.71
CIE LCh	48, 15.774, 111.204
Yxy	16.7945, 0.3431, 0.3844
Android (android.graphics.Color)	4285690969 (0xFF727459)
YUV	112.3240, -11.4987, 1.4699
Hunter-Lab	40.9810, -6.4141, 11.4613

Details

The CIELCh color $48, 15.774, 111.204$ is a dark color, and the websafe version is hex 666633 . A complement of this color would be $39, 16.605, 295.311$, and the grayscale version is $47, 0.006, 296.813$.

A 20% lighter version of the original color is $68, 15.870, 111.433$, and $28, 15.915, 110.583$ is the 20% darker color. If you saturate the color by 10%, you get $48, 22.420, 110.398$, and if you desaturate by 10%, it is $48, 9.027, 112.023$.

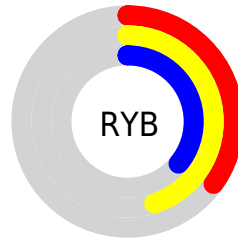
Distribution



Red (45%)

Green (45%)

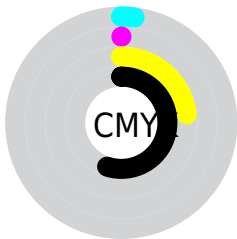
Blue (35%)



Red (35%)

Yellow (45%)

Blue (36%)

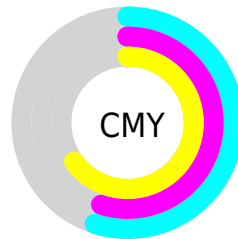


Cyan (2%)

Magenta (0%)

Yellow (23%)

Black (55%)



Cyan (55%)


Magenta (55%)


Yellow (65%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 48, 15.774, 111.204 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, 15.774, 111.204 by changing the saturation by 10% instead.


 48, 15.774,
111.204


 48, 15.774,
111.204


 100, 15.774,
111.204


 38, 15.774,
111.204

 68, 15.774,
111.204


 28, 15.774,
111.204

 78, 15.774,
111.204

 18, 15.774,
111.204


 88, 15.774,
111.204

 8, 15.774, 111.204

 98, 15.774,
111.204

 0, 15.774, 111.204

 48, 15.774,

 48, 15.774,

111.204

■ 48, 22.420,
110.398

■ 47, 28.887,
109.613

■ 47, 35.062,
108.879

■ 47, 40.781,
108.230

■ 47, 45.810,
107.712

■ 47, 49.863,
107.377

■ 47, 52.698,
107.268

■ 47, 54.380,
107.228

111.204

■ 48, 9.027, 112.023

■ 49, 2.226, 112.824

■ 49, 4.595, 293.629

■ 50, 11.413,
294.390

■ 50, 18.209,
295.122

■ 51, 24.973,
295.821

■ 51, 31.693,
296.483

■ 52, 38.363,
297.109

■ 52, 44.976,

Harmonies

Complementary

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



48, 15.774, 111.204



39, 16.605, 295.311

Rectangle

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



48, 15.774, 111.204



48, 15.774, 161.204



48, 15.774, 291.204



48, 15.774, 341.204

Sweetspot

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



48, 15.775, 111.208



62, 5.894, 112.516



41, 11.171, 26.412



32, 3.860, 112.484



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, 15.775, 111.208



61, 23.415, 110.766



47, 17.150, 130.380



24, 3.865, 112.366



49, 56.507, 107.253



94, 95.840, 107.493

Inverse Universe

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



39, 16.605, 295.311



48, 24.982, 295.947



40, 17.596, 312.342



22, 3.944, 293.869



12, 77.282, 306.645



32, 131.422, 306.455

Previews

White Background



This preview shows how the CIELCh color 48, 15.774, 111.204 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, 15.774, 111.204 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

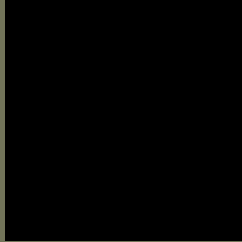
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

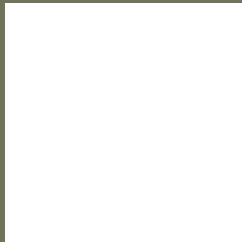
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 48, 15.774, 111.204

Background



This preview shows how black text looks on a background with the CIELCh color 48, 15.774, 111.204.



This preview shows how white text looks on a background with the CIELCh color 48, 15.774, 111.204.

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, 15.774, 111.204

Protanopia

48, 15.520, 96.603

Deuteranopia

48, 15.603, 65.356



Tritanopia
48, 5.853, 314.942

Trichromacy



Original Color
48, 15.774, 111.204

Protanomaly
48, 15.817, 103.241

Deuteranomaly
48, 14.358, 82.849

Tritanomaly
48, 2.862, 74.545

Monochromacy



Original Color
48, 15.774, 111.204

Achromatopsia
47, 0.006, 296.813

Achromatomaly
47, 5.294, 109.447

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 15.774, 111.204 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(114, 116, 89)` looks like.

```
.text, #text, p{  
    color:rgb(114, 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(114, 116, 89) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(114, 116, 89) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 15.774, 111.204 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(114, 116, 89) }
```

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

```
.border{ border-color:rgb(114, 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(114, 116, 89)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(114, 116, 89); -webkit-box-  
shadow:4px 4px 4px 4px rgb(114, 116, 89);  
box-shadow:4px 4px 4px 4px rgb(114, 116,  
89) }
```

Background

The CSS property to change the background color of an element to CIELCh 48, 15.774, 111.204 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(114, 116, 89) }
```

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

```
.background{ background-color: rgb(114,  
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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