

Converting Colors

CIELCh(48, 19.069, 114.783)

Have a look what the booklet for
CIELCh(48, 19.069, 114.783)
contains.

CIELCh(48, 19.307, 114.116)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(48, 19.307, 114.116)

Conversions

Conversions Part 1

Format	Color
Hex	707554
RGB	112, 117, 84
RGB Percent	44%, 46%, 33%
CMY	0.5609, 0.5413, 0.6707
CMYK	0.04, 0.00, 0.28, 0.54
HSL	69°, 16%, 39%
HSV	69°, 28%, 46%
XYZ	14.6320, 16.7945, 10.8500
YIQ	111.7430, 7.6130, -11.3230

Conversions

Conversions Part 2

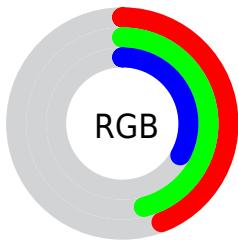
Format	Color
R_{YB}	84, 117, 89
Decimal	7370068
CIE _{Lab}	48.00, -7.89, 17.62
CIE _{LCh}	48, 19.307, 114.116
Yxy	16.7945, 0.3461, 0.3973
Android (android.graphics.Color)	4285560148 (0xFF707554)
YUV	111.7430, -13.6773, 0.2254
Hunter-Lab	40.9810, -7.9846, 12.9892

Details

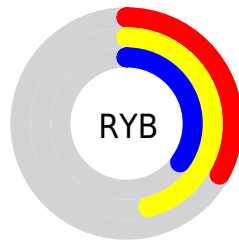
The CIELCh color $48, 19.307, 114.116$ is a dark color, and the websafe version is hex 666633 . A complement of this color would be $37, 20.530, 298.521$, and the grayscale version is $47, 0.006, 296.813$.

A 20% lighter version of the original color is $68, 19.200, 114.241$, and $28, 19.079, 113.924$ is the 20% darker color. If you saturate the color by 10%, you get $48, 25.963, 113.419$, and if you desaturate by 10%, it is $48, 12.519, 114.834$.

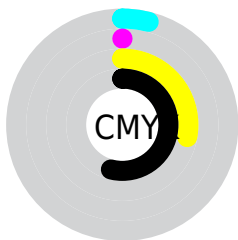
Distribution



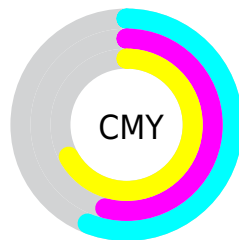
- Red (44%)
- Green (46%)
- Blue (33%)



- Red (33%)
- Yellow (46%)
- Blue (35%)



- Cyan (4%)
- Magenta (0%)
- Yellow (28%)
- Black (54%)





- Cyan (56%)
- Magenta (54%)
- Yellow (67%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 48, 19.307, 114.116 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, 19.307, 114.116 by changing the saturation by 10% instead.


 48, 19.307,
114.116


 48, 19.307,
114.116


 100, 19.307,
114.116


 38, 19.307,
114.116

 68, 19.307,
114.116


 28, 19.307,
114.116

 78, 19.307,
114.116

 18, 19.307,
114.116


 88, 19.307,
114.116

 8, 19.307, 114.116

 98, 19.307,
114.116

 0, 19.307, 114.116

 48, 19.307,

 48, 19.307,

114.116

■ 48, 25.963,
113.419

■ 47, 32.390,
112.758

■ 47, 38.454,
112.173

■ 47, 43.957,
111.711

■ 47, 48.638,
111.436

■ 46, 52.205,
111.418

■ 46, 54.806,
111.615

■ 46, 55.281,
111.643

114.116

■ 48, 12.519,
114.834

■ 49, 5.656, 115.546

■ 49, 1.239, 296.247

■ 50, 8.136, 296.918

■ 50, 15.014,
297.562

■ 51, 21.859,
298.174

■ 52, 28.657,
298.752

■ 52, 35.401,
299.296

■ 53, 42.082,

Harmonies

Complementary

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



48, 19.307, 114.116



37, 20.530, 298.521

Rectangle

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



48, 19.307, 114.116



48, 19.307, 164.116



48, 19.307, 294.116



48, 19.307, 344.116

Sweetspot

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



48, 19.308, 114.119



63, 6.864, 115.546



40, 12.994, 34.237



32, 4.849, 115.458



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, 19.308, 114.119



61, 28.864, 113.649



47, 21.411, 132.902



24, 3.884, 115.488



48, 57.117, 111.683



93, 96.984, 112.149

Inverse Universe

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



37, 20.530, 298.521



45, 31.217, 299.236



39, 21.936, 315.282



22, 3.962, 296.788



13, 76.735, 307.106



32, 130.702, 306.801

Previews

White Background



This preview shows how the CIE LCh color 48, 19.307, 114.116 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, 19.307, 114.116 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

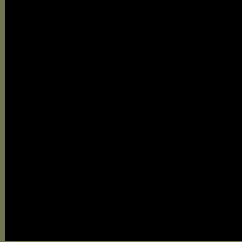
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

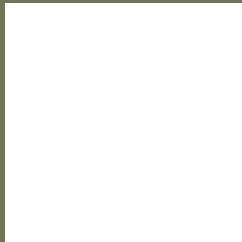
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 48, 19.307, 114.116

Background



This preview shows how black text looks on a background with the CIELCh color 48, 19.307, 114.116.



This preview shows how white text looks on a background with the CIELCh color 48, 19.307, 114.116.

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, 19.307, 114.116

Protanopia

48, 18.454, 96.503

Deuteranopia

48, 17.765, 68.948



Tritanopia
48, 5.700, 311.270

Trichromacy



Original Color
48, 19.307, 114.116

Protanomaly
48, 18.690, 103.528

Deuteranomaly
48, 17.067, 86.430

Tritanomaly
48, 3.542, 102.987

Monochromacy



Original Color
48, 19.307, 114.116

Achromatopsia
47, 0.006, 296.813

Achromatomaly
48, 7.105, 115.989

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 19.307, 114.116 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(112, 117, 84)` looks like.

```
.text, #text, p{  
    color:rgb(112, 117, 84)  
}
```

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(112, 117, 84) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 117, 84) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 19.307, 114.116 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(112, 117, 84) }
```

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

```
.border{ border-color:rgb(112, 117, 84) }
```

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

Here you see how a box with a 4 pixel `rgb(112, 117, 84)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 117, 84); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 117, 84);  
box-shadow:4px 4px 4px 4px rgb(112, 117,  
84) }
```

Background

The CSS property to change the background color of an element to CIELCh 48, 19.307, 114.116 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 117, 84) }
```

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

```
.background{ background-color: rgb(112,  
117, 84) }
```

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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