

Converting Colors

CIELCh(48, 10.107, 304.841)

Have a look what the booklet for
CIELCh(48, 10.107, 304.841)
contains.

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Color

CIELCh(48, 10.348, 304.479)

Conversions

Conversions Part 1

Format	Color
Hex	756F80
RGB	117, 111, 128
RGB Percent	46%, 44%, 50%
CMY	0.5401, 0.5636, 0.4969
CMYK	0.09, 0.13, 0.00, 0.50
HSL	261°, 7%, 47%
HSV	261°, 13%, 50%
XYZ	17.0013, 16.7945, 22.8635
YIQ	114.7320, -1.8810, 6.5590

Conversions

Conversions Part 2

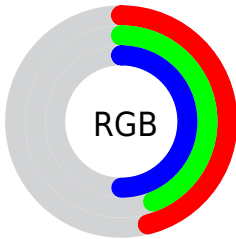
Format	Color
R_{YB}	117, 111, 128
Decimal	7696256
CIE Lab	48.00, 5.86, -8.53
CIE LCh	48, 10.348, 304.479
Yxy	16.7945, 0.3001, 0.2964
Android (android.graphics.Color)	4285886336 (0xFF756F80)
YUV	114.7320, 6.5411, 1.9890
Hunter-Lab	40.9810, 2.3353, -4.3914

Details

The CIELCh color `48, 10.348, 304.479` is a dark color, and the websafe version is hex `666666`. A complement of this color would be `53, 10.112, 123.108`, and the grayscale version is `48, 0.006, 296.813`.

A 20% lighter version of the original color is `68, 10.204, 303.596`, and `28, 10.731, 305.600` is the 20% darker color. If you saturate the color by 10%, you get `44, 18.444, 305.088`, and if you desaturate by 10%, it is `52, 2.505, 303.918`.

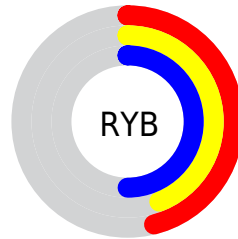
Distribution



Red (46%)

Green (44%)

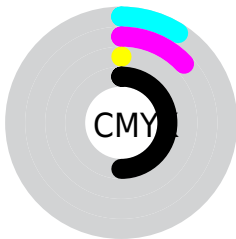
Blue (50%)



Red (46%)

Yellow (44%)

Blue (50%)

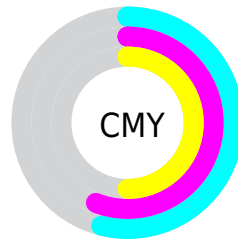


Cyan (9%)

Magenta (13%)

Yellow (0%)

Black (50%)



Cyan (54%)


Magenta (56%)

Yellow (50%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 48, 10.348, 304.479 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, 10.348, 304.479 by changing the saturation by 10% instead.

 48, 10.348,
304.479


 48, 10.348,
304.479


 100, 10.348,
304.479


 38, 10.348,
304.479

 68, 10.348,
304.479


 28, 10.348,
304.479

 78, 10.348,
304.479

 18, 10.348,
304.479


 88, 10.348,
304.479

 8, 10.348, 304.479

 98, 10.348,
304.479

 0, 10.348, 304.479

 48, 10.348,

 48, 10.348,

304.479

44, 18.444,
305.088

39, 26.781,
305.762

35, 35.316,
306.491

31, 43.954,
307.251

27, 52.511,
308.001

23, 60.658,
308.667

20, 67.876,
309.136

18, 73.498,
309.273

304.479

52, 2.505, 303.918

57, 5.080, 123.467

61, 12.417,
123.041

65, 19.516,
122.672

69, 26.390,
122.352

73, 33.051,
122.076

78, 39.511,
121.838

82, 45.784,
121.633

■ 16, 76.987,
309.393

■ 86, 51.880,
121.458

Harmonies

Complementary

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



48, 10.348, 304.479



53, 10.112, 123.108

Rectangle

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



48, 10.348, 304.479



48, 10.348, 354.479



48, 10.348, 124.479



48, 10.348, 174.479

Sweetspot

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



48, 10.347, 304.477



66, 3.797, 303.965



51, 5.419, 239.084



34, 2.722, 304.002



85, 0.010, 296.813



36, 0.005, 296.813

Same Dimension

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



48, 10.347, 304.477



60, 15.475, 304.660



49, 11.560, 320.859



25, 4.348, 304.240



16, 76.645, 309.399



0, 0.000, 0.000

Inverse Universe

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



49, 9.441, 337.407



61, 14.082, 337.642



52, 11.502, 139.663



25, 3.981, 337.095



27, 53.835, 348.103



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 48, 10.348, 304.479 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 CIE LCh color 48, 10.348, 304.479 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

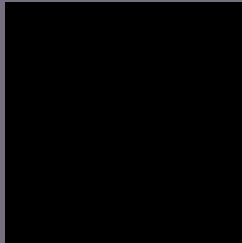
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

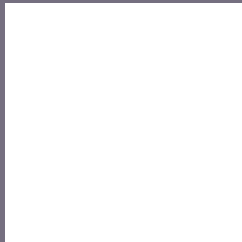
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 48, 10.348, 304.479

Background



This preview shows how black text looks on a background with the CIELCh color 48, 10.348, 304.479.



This preview shows how white text looks on a background with the CIELCh color 48, 10.348, 304.479.

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, 10.348, 304.479

Protanopia

48, 9.457, 286.814

Deuteranopia

48, 10.444, 306.569



Tritanopia
48, 5.570, 307.426

Trichromacy



Original Color
48, 10.348, 304.479

Protanomaly
48, 10.057, 293.701

Deuteranomaly
48, 10.444, 306.569

Tritanomaly
48, 7.283, 303.562

Monochromacy



Original Color
48, 10.348, 304.479

Achromatopsia
48, 0.006, 296.813

Achromatomaly
48, 3.637, 303.296

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 10.348, 304.479 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(117, 111, 128)` looks like.

```
.text, #text, p{  
    color:rgb(117, 111, 128)  
}
```

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(117, 111, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 111, 128) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 10.348, 304.479 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(117, 111, 128) }
```

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

```
.border{ border-color:rgb(117, 111, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(117, 111, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 111, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 111, 128);  
box-shadow:4px 4px 4px 4px rgb(117, 111,  
128) }
```

Background

The CSS property to change the background color of an element to CIELCh 48, 10.348, 304.479 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 111, 128) }
```

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

```
.background{ background-color: rgb(117,  
111, 128) }
```

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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