

Converting Colors

CIELCh(48, 15.930, 307.713)

Have a look what the booklet for
CIELCh(48, 15.930, 307.713)
contains.

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Color

CIELCh(48, 16.097, 308.617)

Conversions

Conversions Part 1

Format	Color
Hex	796D87
RGB	121, 109, 135
RGB Percent	47%, 43%, 53%
CMY	0.5249, 0.5720, 0.4700
CMYK	0.10, 0.19, 0.00, 0.47
HSL	268°, 11%, 48%
HSV	268°, 19%, 53%
XYZ	17.7709, 16.7945, 25.2789
YIQ	115.5520, -1.1940, 10.6300

Conversions

Conversions Part 2

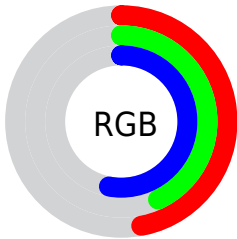
Format	Color
R_{YB}	121, 109, 135
Decimal	7957895
CIE _{Lab}	48.00, 10.05, -12.58
CIE _{LCh}	48, 16.097, 308.617
Yxy	16.7945, 0.2970, 0.2806
Android (android.graphics.Color)	4286147975 (0xFF796D87)
YUV	115.5520, 9.5879, 4.7779
Hunter-Lab	40.9810, 5.6873, -7.8860

Details

The CIELCh color $48, 16.097, 308.617$ is a dark color, and the websafe version is hex 666699 . A complement of this color would be $55, 15.659, 126.848$, and the grayscale version is $49, 0.007, 296.813$.

A 20% lighter version of the original color is $68, 15.582, 307.794$, and $28, 15.522, 308.048$ is the 20% darker color. If you saturate the color by 10%, you get $44, 24.788, 309.151$, and if you desaturate by 10%, it is $52, 7.622, 308.118$.

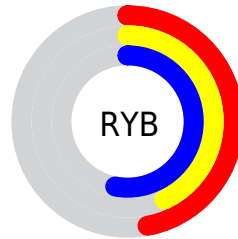
Distribution



Red (47%)

Green (43%)

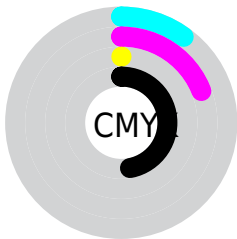
Blue (53%)



Red (47%)

Yellow (43%)

Blue (53%)

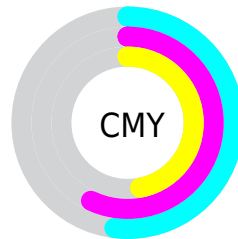


Cyan (10%)

Magenta (19%)

Yellow (0%)

Black (47%)



Cyan (52%)


Magenta (57%)


Yellow (47%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 48, 16.097, 308.617 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, 16.097, 308.617 by changing the saturation by 10% instead.


 48, 16.097,
308.617


 48, 16.097,
308.617


 100, 16.097,
308.617


 38, 16.097,
308.617

 68, 16.097,
308.617


 28, 16.097,
308.617

 78, 16.097,
308.617

 18, 16.097,
308.617


 88, 16.097,
308.617

 8, 16.097, 308.617

 98, 16.097,
308.617

 0, 16.097, 308.617

 48, 16.097,

 48, 16.097,

308.617

44, 24.788,
309.151

39, 33.647,
309.716

35, 42.569,
310.288

31, 51.371,
310.831

28, 59.747,
311.287

24, 67.240,
311.569

22, 73.261,
311.568

19, 77.899,
311.352

308.617

52, 7.622, 308.118

57, 0.608, 127.812

61, 8.588, 127.291

65, 16.322,
126.932

70, 23.816,
126.618

74, 31.081,
126.344

78, 38.129,
126.106

82, 44.972,
125.900

87, 51.622,

■ 19,78.268,
311.347

125.723

Harmonies

Complementary

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



48, 16.097, 308.617



55, 15.659, 126.848

Rectangle

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



48, 16.097, 308.617



48, 16.097, 358.617



48, 16.097, 128.617



48, 16.097, 178.617

Sweetspot

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



48, 16.096, 308.616



69, 6.113, 307.969



51, 8.537, 252.337



36, 4.089, 307.995



87, 0.010, 296.813



38, 0.005, 296.813

Same Dimension

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



48, 16.096, 308.616



59, 24.006, 308.840



49, 18.077, 324.045



26, 4.579, 308.112



18, 76.091, 311.388



0, 1.083, 307.711

Inverse Universe

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



49, 13.336, 343.176



61, 19.832, 343.567



54, 18.032, 142.007



26, 3.812, 342.295



27, 52.063, 357.175



0, 0.904, 341.632

Previews

White Background



This preview shows how the CIELCh color 48, 16.097, 308.617 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, 16.097, 308.617 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

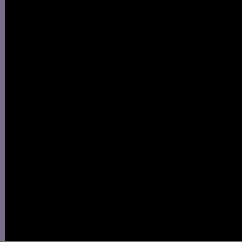
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 48, 16.097, 308.617

Background



This preview shows how black text looks on a background with the CIELCh color 48, 16.097, 308.617.



This preview shows how white text looks on a background with the CIELCh color 48, 16.097, 308.617.

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, 16.097, 308.617

Protanopia

48, 14.781, 286.428

Deuteranopia

48, 14.289, 298.088



Tritanopia
48, 6.030, 318.427

Trichromacy



Original Color
48, 16.097, 308.617

Protanomaly
48, 14.769, 293.567

Deuteranomaly
48, 15.062, 302.213

Tritanomaly
48, 9.577, 312.954

Monochromacy



Original Color
48, 16.097, 308.617

Achromatopsia
49, 0.007, 296.813

Achromatomaly
49, 5.553, 307.421

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 16.097, 308.617 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(121, 109, 135)` looks like.

```
.text, #text, p{  
    color:rgb(121, 109, 135)  
}
```

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(121, 109, 135) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(121, 109, 135) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 16.097, 308.617 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(121, 109, 135) }
```

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

```
.border{ border-color:rgb(121, 109, 135) }
```

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

Here you see how a box with a 4 pixel `rgb(121, 109, 135)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(121, 109, 135); -webkit-box-shadow:4px 4px 4px 4px rgb(121, 109, 135); box-shadow:4px 4px 4px 4px rgb(121, 109, 135) }
```

Background

The CSS property to change the background color of an element to CIELCh 48, 16.097, 308.617 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(121, 109, 135) }
```

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

```
.background{ background-color: rgb(121,  
109, 135) }
```

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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