

Converting Colors

CIELCh(48, 13.676, 329.785)

Have a look what the booklet for
CIELCh(48, 13.676, 329.785)
contains.

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Color

CIELCh(48, 13.532, 329.532)

Conversions

Conversions Part 1

Format	Color
Hex	816C7E
RGB	129, 108, 126
RGB Percent	51%, 42%, 49%
CMY	0.4954, 0.5777, 0.5072
CMYK	0.00, 0.16, 0.02, 0.50
HSL	309°, 9%, 46%
HSV	309°, 16%, 50%
XYZ	18.0741, 16.7945, 21.9141
YIQ	116.3310, 6.7380, 10.0500

Conversions

Conversions Part 2

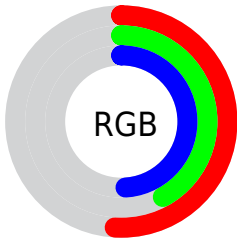
Format	Color
R_{YB}	129, 108, 126
Decimal	8481918
CIE _{Lab}	48.00, 11.66, -6.86
CIE _{LCh}	48, 13.532, 329.532
Yxy	16.7945, 0.3183, 0.2958
Android (android.graphics.Color)	4286671998 (0xFF816C7E)
YUV	116.3310, 4.7668, 11.1107
Hunter-Lab	40.9810, 7.0082, -3.0178

Details

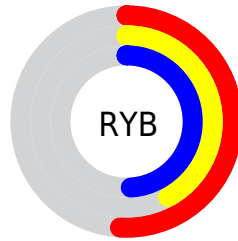
The CIELCh color $48, 13.532, 329.532$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $52, 13.498, 147.594$, and the grayscale version is $49, 0.007, 296.813$.

A 20% lighter version of the original color is $68, 14.016, 328.934$, and $28, 13.971, 330.208$ is the 20% darker color. If you saturate the color by 10%, you get $45, 21.864, 330.130$, and if you desaturate by 10%, it is $52, 5.207, 328.928$.

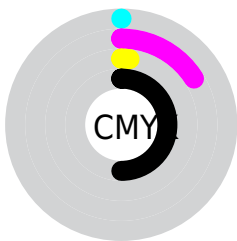
Distribution



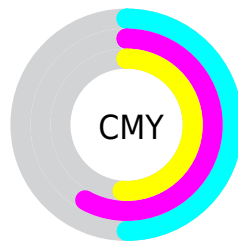
- Red (51%)
- Green (42%)
- Blue (49%)



- Red (51%)
- Yellow (42%)
- Blue (49%)



- Cyan (0%)
- Magenta (16%)
- Yellow (2%)
- Black (50%)





- Cyan (50%)
- Magenta (58%)
- Yellow (51%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 48, 13.532, 329.532 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, 13.532, 329.532 by changing the saturation by 10% instead.


 48, 13.532,
329.532


 48, 13.532,
329.532


 100, 13.532,
329.532


 38, 13.532,
329.532

 68, 13.532,
329.532


 28, 13.532,
329.532

 78, 13.532,
329.532

 18, 13.532,
329.532


 88, 13.532,
329.532

 8, 13.532, 329.532

 98, 13.532,
329.532

 0, 13.532, 329.532

 48, 13.532,

 48, 13.532,

329.532

45, 21.864,
330.130

41, 30.057,
330.733

38, 37.899,
331.337

36, 45.118,
331.940

33, 51.392,
332.541

31, 56.390,
333.146

30, 59.846,
333.763

29, 61.795,
334.408

329.532

52, 5.207, 328.928

55, 3.006, 148.478

59, 11.046,
147.884

63, 18.878,
147.357

66, 26.485,
146.859

70, 33.862,
146.387

74, 41.015,
145.941

78, 47.951,
145.520

■ 29, 62.432,
334.644

■ 82, 54.681,
145.124

Harmonies

Complementary

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



48, 13.532, 329.532



52, 13.498, 147.594

Rectangle

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



48, 13.532, 329.532



48, 13.532, 19.532



48, 13.532, 149.532



48, 13.532, 199.532

Sweetspot

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



48, 13.530, 329.533



67, 5.134, 328.851



46, 12.540, 296.740



34, 3.488, 328.889



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, 13.530, 329.533



60, 20.690, 329.781



48, 9.747, 352.988



25, 4.623, 329.100



29, 62.031, 334.637



0, 0.000, 0.000

Inverse Universe

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



48, 13.530, 329.533



60, 20.690, 329.781



52, 9.411, 170.086



25, 4.623, 329.100



29, 62.031, 334.637



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 48, 13.532, 329.532 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, 13.532, 329.532 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

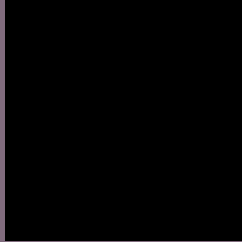
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 48, 13.532, 329.532

Background



This preview shows how black text looks on a background with the CIELCh color 48, 13.532, 329.532.



This preview shows how white text looks on a background with the CIELCh color 48, 13.532, 329.532.

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, 13.532, 329.532

Protanopia

48, 9.441, 289.118

Deuteranopia

48, 9.035, 314.331



Tritanopia
48, 9.394, 346.314

Trichromacy



Original Color
48, 13.532, 329.532

Protanomaly
48, 10.444, 306.569

Deuteranomaly
48, 10.284, 321.289

Tritanomaly
48, 10.451, 338.228

Monochromacy



Original Color
48, 13.532, 329.532

Achromatopsia
49, 0.007, 296.813

Achromatomaly
49, 5.253, 328.375

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 13.532, 329.532 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(129, 108, 126)` looks like.

```
.text, #text, p{  
    color:rgb(129, 108, 126)  
}
```

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(129, 108, 126) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 108, 126) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 13.532, 329.532 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(129, 108, 126) }
```

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

```
.border{ border-color:rgb(129, 108, 126) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 108, 126)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 108, 126); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 108, 126);  
box-shadow:4px 4px 4px 4px rgb(129, 108,  
126) }
```

Background

The CSS property to change the background color of an element to CIELCh 48, 13.532, 329.532 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 108, 126) }
```

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

```
.background{ background-color: rgb(129,  
108, 126) }
```

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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