

Converting Colors

CIELCh(48, 14.227, 326.122)

Have a look what the booklet for
CIELCh(48, 14.227, 326.122)
contains.

CIELCh(48, 13.758, 326.637)	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, 13.758, 326.637)

Conversions

Conversions Part 1

Format	Color
Hex	806C7F
RGB	128, 108, 127
RGB Percent	50%, 42%, 50%
CMY	0.4987, 0.5771, 0.5026
CMYK	0.00, 0.16, 0.01, 0.50
HSL	303°, 8%, 46%
HSV	303°, 16%, 50%
XYZ	18.0416, 16.7945, 22.3117
YIQ	116.1460, 5.8210, 10.1490

Conversions

Conversions Part 2

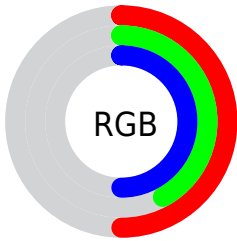
Format	Color
R_{YB}	128, 108, 127
Decimal	8416383
CIE _{Lab}	48.00, 11.49, -7.57
CIE _{LCh}	48, 13.758, 326.637
Yxy	16.7945, 0.3157, 0.2939
Android (android.graphics.Color)	4286606463 (0xFF806C7F)
YUV	116.1460, 5.3510, 10.3960
Hunter-Lab	40.9810, 6.8664, -3.5931

Details

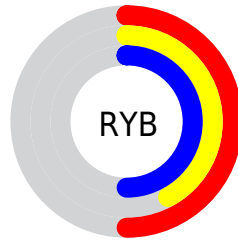
The CIELCh color $48, 13.758, 326.637$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $51, 13.739, 144.880$, and the grayscale version is $49, 0.007, 296.813$.

A 20% lighter version of the original color is $68, 14.229, 326.335$, and $28, 14.222, 327.099$ is the 20% darker color. If you saturate the color by 10%, you get $45, 22.587, 327.184$, and if you desaturate by 10%, it is $52, 4.935, 326.072$.

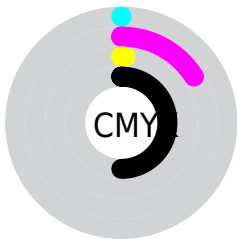
Distribution



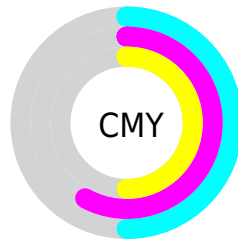
- Red (50%)
- Green (42%)
- Blue (50%)



- Red (50%)
- Yellow (42%)
- Blue (50%)



- Cyan (0%)
- Magenta (16%)
- Yellow (1%)
- Black (50%)




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


Brightness & Saturation Gradients


These gradients show how the CIELCh color 48, 13.758, 326.637 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, 13.758, 326.637 by changing the saturation by 10% instead.

 48, 13.758,
326.637


 48, 13.758,
326.637


 100, 13.758,
326.637


 38, 13.758,
326.637

 68, 13.758,
326.637


 28, 13.758,
326.637

 78, 13.758,
326.637

 18, 13.758,
326.637


 88, 13.758,
326.637

 8, 13.758, 326.637

 98, 13.758,
326.637

 0, 13.758, 326.637

 48, 13.758,

 48, 13.758,

326.637

45, 22.587,
327.184

41, 31.271,
327.718

39, 39.593,
328.230

36, 47.280,
328.711

34, 54.011,
329.148

32, 59.465,
329.533

30, 63.384,
329.862

30, 65.767,
330.142

326.637

52, 4.935, 326.072

55, 3.771, 145.631

59, 12.294,
145.078

62, 20.596,
144.573

66, 28.658,
144.094

70, 36.473,
143.641

74, 44.044,
143.213

78, 51.380,
142.810

■ 29, 66.677,
330.258

■ 81, 58.490,
142.433

Harmonies

Complementary

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



48, 13.758, 326.637



51, 13.739, 144.880

Rectangle

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



48, 13.758, 326.637



48, 13.758, 16.637



48, 13.758, 146.637



48, 13.758, 196.637

Sweetspot

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



48, 13.756, 326.637



66, 5.409, 326.040



46, 11.894, 293.021



34, 3.721, 326.076



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, 13.756, 326.637



60, 20.690, 326.846



48, 9.852, 346.790



25, 4.931, 326.273



29, 66.553, 330.258



0, 0.000, 0.000

Inverse Universe

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



48, 13.756, 326.637



60, 20.690, 326.846



52, 9.636, 164.195



25, 4.931, 326.273



29, 66.553, 330.258



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 48, 13.758, 326.637 looks on a white background.

Color Contrast Check

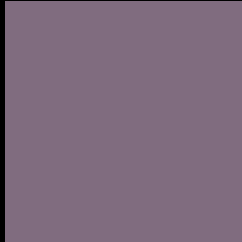
Large Text (above 18pt) WCAG AA ✓ Pass

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, 13.758, 326.637 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

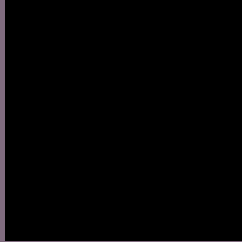
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 48, 13.758, 326.637

Background



This preview shows how black text looks on a background with the CIELCh color 48, 13.758, 326.637.



This preview shows how white text looks on a background with the CIELCh color 48, 13.758, 326.637.

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, 13.758, 326.637

Protanopia

48, 10.044, 287.178

Deuteranopia

48, 9.438, 310.715



Tritanopia
48, 9.059, 344.780

Trichromacy



Original Color
48, 13.758, 326.637

Protanomaly
48, 10.922, 303.817

Deuteranomaly
48, 10.611, 317.803

Tritanomaly
48, 10.157, 336.614

Monochromacy



Original Color
48, 13.758, 326.637

Achromatopsia
49, 0.007, 296.813

Achromatomaly
48, 5.015, 324.711

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 13.758, 326.637 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(128, 108, 127)` looks like.

```
.text, #text, p{  
    color:rgb(128, 108, 127)  
}
```

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(128, 108, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 108, 127) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 13.758, 326.637 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(128, 108, 127) }
```

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

```
.border{ border-color:rgb(128, 108, 127) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 108, 127)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 108, 127); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 108, 127);  
box-shadow:4px 4px 4px 4px rgb(128, 108,  
127) }
```

Background

The CSS property to change the background color of an element to CIELCh 48, 13.758, 326.637 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 108, 127) }
```

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

```
.background{ background-color: rgb(128,  
108, 127) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor