

Converting Colors

CIELCh(48, 12.001, 334.316)

Have a look what the booklet for
CIELCh(48, 12.001, 334.316)
contains.

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Color

CIELCh(48, 12.237, 334.766)

Conversions

Conversions Part 1

Format	Color
Hex	816C7B
RGB	129, 108, 123
RGB Percent	51%, 42%, 48%
CMY	0.4945, 0.5768, 0.5180
CMYK	0.00, 0.16, 0.05, 0.49
HSL	317°, 9%, 46%
HSV	317°, 16%, 51%
XYZ	17.9623, 16.7945, 21.0045
YIQ	115.9890, 7.7010, 9.1170

Conversions

Conversions Part 2

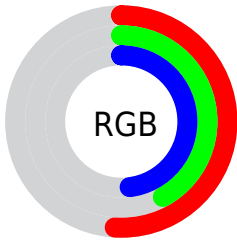
Format	Color
R_{YB}	129, 108, 123
Decimal	8481915
CIE _{Lab}	48.00, 11.07, -5.22
CIE _{LCh}	48, 12.237, 334.766
Yxy	16.7945, 0.3221, 0.3012
Android (android.graphics.Color)	4286671995 (0xFF816C7B)
YUV	115.9890, 3.4564, 11.4106
Hunter-Lab	40.9810, 6.5212, -1.7018

Details

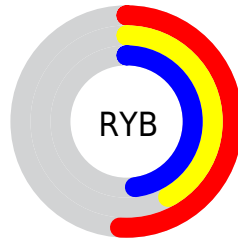
The CIELCh color $48, 12.237, 334.766$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $52, 12.159, 152.600$, and the grayscale version is $49, 0.007, 296.813$.

A 20% lighter version of the original color is $68, 12.394, 335.301$, and $28, 12.584, 335.881$ is the 20% darker color. If you saturate the color by 10%, you get $44, 19.812, 335.482$, and if you desaturate by 10%, it is $52, 4.691, 334.068$.

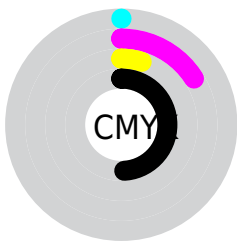
Distribution



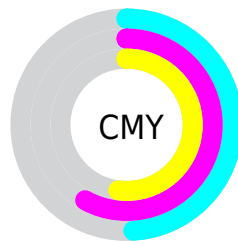
- Red (51%)
- Green (42%)
- Blue (48%)



- Red (51%)
- Yellow (42%)
- Blue (48%)



- Cyan (0%)
- Magenta (16%)
- Yellow (5%)
- Black (49%)




- Cyan (49%)
- Magenta (58%)
- Yellow (52%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 48, 12.237, 334.766 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, 12.237, 334.766 by changing the saturation by 10% instead.


 48, 12.237,
334.766


 48, 12.237,
334.766


 100, 12.237,
334.766

 38, 12.237,
334.766

 68, 12.237,
334.766

 28, 12.237,
334.766

 78, 12.237,
334.766

 18, 12.237,
334.766


 88, 12.237,
334.766

 8, 12.237, 334.766

 98, 12.237,
334.766

 0, 12.237, 334.766

 48, 12.237,

 48, 12.237,

334.766

44, 19.812,
335.482

41, 27.286,
336.236

38, 34.463,
337.041

35, 41.082,
337.912

33, 46.828,
338.873

31, 51.364,
339.958

29, 54.407,
341.217

28, 55.978,
342.687

334.766

52, 4.691, 334.068

55, 2.734, 153.576

59, 9.988, 152.914

63, 17.043,
152.340

67, 23.888,
151.802

71, 30.524,
151.296

74, 36.955,
150.820

78, 43.193,
150.371

82, 49.249,

■ 28, 56.489,
343.240

149.948

Harmonies

Complementary

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



48, 12.237, 334.766



52, 12.159, 152.600

Rectangle

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



48, 12.237, 334.766



48, 12.237, 24.766



48, 12.237, 154.766



48, 12.237, 204.766

Sweetspot

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



48, 12.235, 334.767



67, 4.636, 333.980



47, 12.709, 302.171



34, 3.150, 334.025



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, 12.235, 334.767



60, 18.720, 335.062



48, 9.113, 3.501



25, 4.177, 334.267



28, 56.055, 343.219



0, 0.000, 0.000

Inverse Universe

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



48, 12.235, 334.767



60, 18.720, 335.062



52, 8.588, 180.599



25, 4.177, 334.267



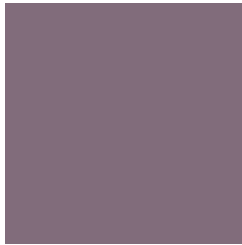
28, 56.055, 343.219



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 48, 12.237, 334.766 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, 12.237, 334.766 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, 12.237, 334.766

Background



This preview shows how black text looks on a background with the CIELCh color 48, 12.237, 334.766.



This preview shows how white text looks on a background with the CIELCh color 48, 12.237, 334.766.

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, 12.237, 334.766

Protanopia
48, 7.675, 288.322

Deuteranopia
48, 7.654, 322.370



Tritanopia
48, 9.093, 349.414

Trichromacy



Original Color
48, 12.237, 334.766

Protanomaly
48, 8.753, 309.542

Deuteranomaly
48, 9.064, 329.231

Tritanomaly
48, 9.723, 343.420

Monochromacy



Original Color
48, 12.237, 334.766

Achromatopsia
49, 0.007, 296.813

Achromatomaly
49, 4.807, 332.701

CSS Examples

Text

The CSS property to change the color of the text to CIElCh 48, 12.237, 334.766 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, 123)` looks like.

```
.text, #text, p{  
    color:rgb(129, 108, 123)  
}
```

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, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 108, 123) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 12.237, 334.766 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, 123) }
```

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

```
.border{ border-color:rgb(129, 108, 123) }
```

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, 123)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 108, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 108, 123);  
box-shadow:4px 4px 4px 4px rgb(129, 108,  
123) }
```

Background

The CSS property to change the background color of an element to CIELCh 48, 12.237, 334.766 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, 123) }
```

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

```
.background{ background-color: rgb(129,  
108, 123) }
```

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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