

Converting Colors

CIELCh(48, 14.345, 324.701)

Have a look what the booklet for
CIELCh(48, 14.345, 324.701)
contains.

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Color

CIELCh(48, 14.233, 325.251)

Conversions

Conversions Part 1

Format	Color
Hex	806C80
RGB	128, 108, 128
RGB Percent	50%, 42%, 50%
CMY	0.4990, 0.5774, 0.4990
CMYK	0.00, 0.16, 0.00, 0.50
HSL	300°, 8%, 46%
HSV	300°, 16%, 50%
XYZ	18.0800, 16.7945, 22.6233
YIQ	116.2600, 5.5000, 10.4600

Conversions

Conversions Part 2

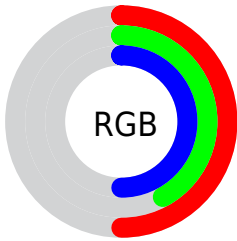
Format	Color
R_{YB}	128, 108, 128
Decimal	8416384
CIE _{Lab}	48.00, 11.69, -8.11
CIE _{LCh}	48, 14.233, 325.251
Yxy	16.7945, 0.3144, 0.2921
Android (android.graphics.Color)	4286606464 (0xFF806C80)
YUV	116.2600, 5.7878, 10.2960
Hunter-Lab	40.9810, 7.0338, -4.0440

Details

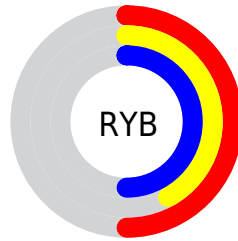
The CIELCh color $48, 14.233, 325.251$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $51, 14.217, 143.526$, and the grayscale version is $49, 0.007, 296.813$.

A 20% lighter version of the original color is $68, 14.675, 325.084$, and $28, 14.737, 325.623$ is the 20% darker color. If you saturate the color by 10%, you get $45, 23.357, 325.777$, and if you desaturate by 10%, it is $51, 5.112, 324.702$.

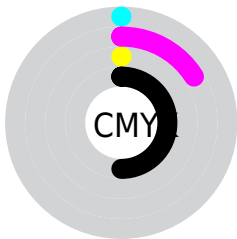
Distribution



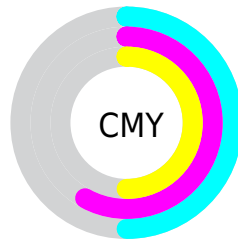
- Red (50%)
- Green (42%)
- Blue (50%)



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



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





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


Brightness & Saturation Gradients


These gradients show how the CIELCh color 48, 14.233, 325.251 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, 14.233, 325.251 by changing the saturation by 10% instead.


 48, 14.233,
325.251


 48, 14.233,
325.251


 100, 14.233,
325.251


 38, 14.233,
325.251

 68, 14.233,
325.251


 28, 14.233,
325.251

 78, 14.233,
325.251

 18, 14.233,
325.251


 88, 14.233,
325.251

 8, 14.233, 325.251

 98, 14.233,
325.251

 0, 14.233, 325.251

 48, 14.233,

 48, 14.233,

325.251

45, 23.357,
325.777

42, 32.326,
326.284

39, 40.919,
326.758

36, 48.857,
327.186

34, 55.820,
327.553

32, 61.491,
327.844

31, 65.622,
328.053

30, 68.224,
328.182

325.251

51, 5.112, 324.702

55, 3.892, 144.264

59, 12.707,
143.722

62, 21.293,
143.225

66, 29.627,
142.753

70, 37.703,
142.306

74, 45.522,
141.885

77, 53.091,
141.491

■ 30, 69.227,
328.232

■ 81, 60.422,
141.123

Harmonies

Complementary

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



48, 14.233, 325.251



51, 14.217, 143.526

Rectangle

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



48, 14.233, 325.251



48, 14.233, 15.251



48, 14.233, 145.251



48, 14.233, 195.251

Sweetspot

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



48, 14.231, 325.251



66, 5.597, 324.670



46, 11.683, 291.155



34, 3.849, 324.705



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, 14.231, 325.251



60, 21.402, 325.453



48, 10.176, 344.006



25, 5.102, 324.897



30, 69.130, 328.232



0, 0.000, 0.000

Inverse Universe

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



47, 8.413, 20.384



59, 12.821, 20.706



52, 9.998, 161.517



25, 2.951, 19.873



25, 61.100, 38.346



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 48, 14.233, 325.251 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, 14.233, 325.251 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, 14.233, 325.251

Background



This preview shows how black text looks on a background with the CIELCh color 48, 14.233, 325.251.



This preview shows how white text looks on a background with the CIELCh color 48, 14.233, 325.251.

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, 14.233, 325.251

Protanopia

48, 10.631, 287.509

Deuteranopia

48, 9.994, 309.608



Tritanopia
48, 8.731, 343.136

Trichromacy



Original Color
48, 14.233, 325.251

Protanomaly
48, 11.498, 303.229

Deuteranomaly
48, 11.137, 316.449

Tritanomaly
48, 10.565, 334.299

Monochromacy



Original Color
48, 14.233, 325.251

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, 14.233, 325.251 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, 128)` looks like.

```
.text, #text, p{  
    color:rgb(128, 108, 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(128, 108, 128) colored shadow looks like.

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

Border

The CSS property to change the border of an element to CIELCh 48, 14.233, 325.251 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, 128) }
```

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

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

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, 128) colored shadow looks like.

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

Background

The CSS property to change the background color of an element to CIELCh 48, 14.233, 325.251 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, 128) }
```

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

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