

Converting Colors

CIELCh(48, 4.268, 295.422)

Have a look what the booklet for
CIELCh(48, 4.268, 295.422) contains.

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Color

CIELCh(48, 4.158, 296.210)

Conversions

Conversions Part 1

Format	Color
Hex	727178
RGB	114, 113, 120
RGB Percent	45%, 44%, 47%
CMY	0.5523, 0.5562, 0.5288
CMYK	0.05, 0.06, 0.00, 0.53
HSL	249°, 3%, 46%
HSV	249°, 6%, 47%
XYZ	16.2835, 16.7945, 20.2044
YIQ	114.0970, -1.6510, 2.3890

Conversions

Conversions Part 2

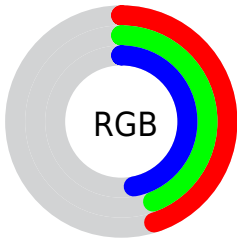
Format	Color
R_YB	114, 113, 120
Decimal	7500152
CIE Lab	48.00, 1.84, -3.73
CIE LCh	48, 4.158, 296.210
Yxy	16.7945, 0.3056, 0.3152
Android (android.graphics.Color)	4285690232 (0xFF727178)
YUV	114.0970, 2.9102, -0.0851
Hunter-Lab	40.9810, -0.7910, -0.5443

Details

The CIELCh color $48, 4.158, 296.210$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $50, 4.097, 115.356$, and the grayscale version is $48, 0.006, 296.813$.

A 20% lighter version of the original color is $68, 3.885, 296.088$, and $28, 4.569, 296.465$ is the 20% darker color. If you saturate the color by 10%, you get $44, 11.496, 297.025$, and if you desaturate by 10%, it is $52, 2.914, 115.484$.

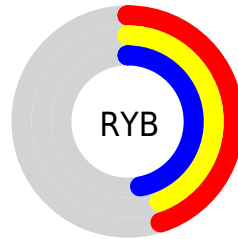
Distribution



Red (45%)

Green (44%)

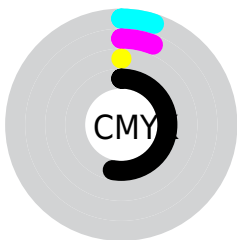
Blue (47%)



Red (45%)

Yellow (44%)

Blue (47%)

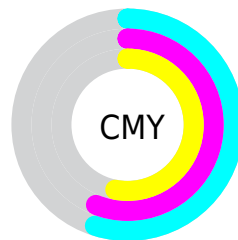


Cyan (5%)

Magenta (6%)

Yellow (0%)

Black (53%)



Cyan (55%)

Magenta (56%)

Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 48, 4.158, 296.210 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, 4.158, 296.210 by changing the saturation by 10% instead.

■ 48, 4.158, 296.210

■ 48, 4.158, 296.210

■ 100, 4.158,
296.210

■ 38, 4.158, 296.210

■ 68, 4.158, 296.210

■ 28, 4.158, 296.210

■ 78, 4.158, 296.210

■ 18, 4.158, 296.210

■ 88, 4.158, 296.210

■ 8, 4.158, 296.210

■ 98, 4.158, 296.210

■ 0, 4.158, 296.210

■ 48, 4.158, 296.210

■ 48, 4.158, 296.210

■ 44, 11.496,
297.025

■ 52, 2.914, 115.484

■ 39, 19.119,

■ 57, 9.732, 114.870

297.976

61, 16.314,
114.339

35, 27.032,
299.065

65, 22.675,
113.881

31, 35.223,
300.294

69, 28.829,
113.484

27, 43.634,
301.649

73, 34.790,
113.141

23, 52.109,
303.081

77, 40.570,
112.843

19, 60.306,
304.487

81, 46.180,
112.584

16, 67.592,
305.694

85, 51.631,
112.360

13, 73.342,
306.580

Harmonies

Complementary

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



48, 4.158, 296.210



50, 4.097, 115.356

Rectangle

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



48, 4.158, 296.210



48, 4.158, 346.210



48, 4.158, 116.210



48, 4.158, 166.210

Sweetspot

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



48, 4.157, 296.201



63, 1.756, 295.923



50, 2.454, 212.184



33, 1.006, 295.912



83, 0.010, 296.813



34, 0.005, 296.813

Same Dimension

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



48, 4.157, 296.201



60, 6.185, 296.305



48, 4.512, 313.790



24, 3.272, 296.313



13, 77.971, 307.028



33, 131.823, 306.746

Inverse Universe

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



48, 4.543, 328.888



61, 6.749, 328.973



50, 4.478, 133.381



24, 3.571, 328.979



28, 61.157, 334.612



58, 102.362, 335.011

Previews

White Background



This preview shows how the CIELCh color 48, 4.158, 296.210 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, 4.158, 296.210 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

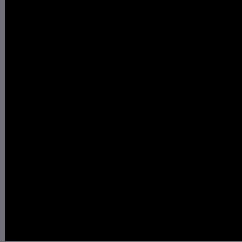
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

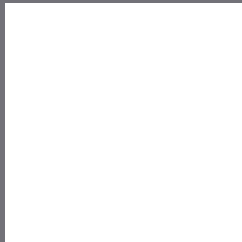
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 48, 4.158, 296.210

Background



This preview shows how black text looks on a background with the CIELCh color 48, 4.158, 296.210.



This preview shows how white text looks on a background with the CIELCh color 48, 4.158, 296.210.

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, 4.158, 296.210

Protanopia

48, 4.158, 296.210

Deuteranopia

48, 7.396, 327.466



Tritanopia
48, 5.333, 295.127

Trichromacy



Original Color

48, 4.158, 296.210

Protanomaly

48, 4.158, 296.210

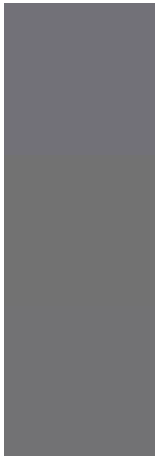
Deuteranomaly

48, 6.030, 318.427

Tritanomaly

48, 4.746, 295.592

Monochromacy



Original Color

48, 4.158, 296.210

Achromatopsia

48, 0.006, 296.813

Achromatomaly

48, 1.184, 290.372

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 4.158, 296.210 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(114, 113, 120)` looks like.

```
.text, #text, p{  
    color:rgb(114, 113, 120)  
}
```

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(114, 113, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(114, 113, 120) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 4.158, 296.210 is called "border". The border property can be set on classes, ids or directly on the HTML element.

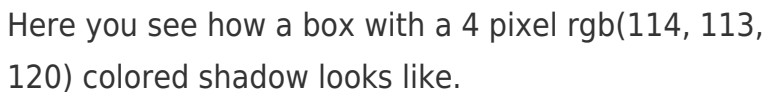
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(114, 113, 120) }
```

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

```
.border{ border-color:rgb(114, 113, 120) }
```

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



Here you see how a box with a 4 pixel `rgb(114, 113, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(114, 113, 120); -webkit-box-shadow:4px 4px 4px 4px rgb(114, 113, 120); box-shadow:4px 4px 4px 4px rgb(114, 113, 120) }
```

Background

The CSS property to change the background color of an element to CIELCh 48, 4.158, 296.210 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(114, 113, 120) }
```

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

```
.background{ background-color: rgb(114,  
113, 120) }
```

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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