

Converting Colors

CIELCh(48, 11.850, 316.998)

Have a look what the booklet for
CIELCh(48, 11.850, 316.998)
contains.

CIELCh(48, 11.833, 316.994)	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, 11.833, 316.994)

Conversions

Conversions Part 1

Format	Color
Hex	7B6E80
RGB	123, 110, 128
RGB Percent	48%, 43%, 50%
CMY	0.5192, 0.5702, 0.4996
CMYK	0.04, 0.14, 0.00, 0.50
HSL	283°, 8%, 47%
HSV	283°, 14%, 50%
XYZ	17.5124, 16.7945, 22.5995
YIQ	115.9390, 1.9700, 8.3540

Conversions

Conversions Part 2

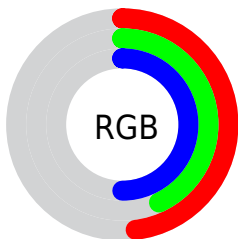
Format	Color
RYB	123, 110, 128
Decimal	8089216
CIELab	48.00, 8.65, -8.07
CIELCh	48, 11.833, 316.994
Yxy	16.7945, 0.3077, 0.2951
Android (android.graphics.Color)	4286279296 (0xFF7B6E80)
YUV	115.9390, 5.9461, 6.1925
Hunter-Lab	40.9810, 4.5614, -4.0095

Details

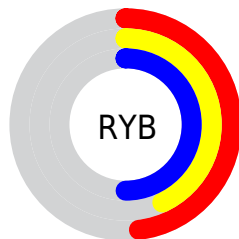
The CIELCh color $48, 11.833, 316.994$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $52, 11.717, 135.839$, and the grayscale version is $49, 0.006, 296.813$.

A 20% lighter version of the original color is $68, 11.732, 317.313$, and $28, 12.179, 316.741$ is the 20% darker color. If you saturate the color by 10%, you get $44, 20.388, 317.417$, and if you desaturate by 10%, it is $52, 3.408, 316.556$.

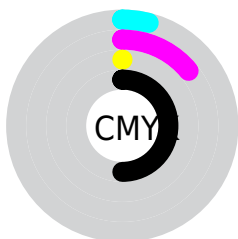
Distribution



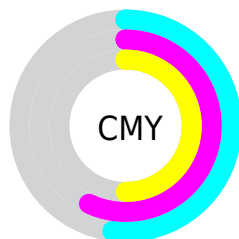
- Red (48%)
- Green (43%)
- Blue (50%)



- Red (48%)
- Yellow (43%)
- Blue (50%)



- Cyan (4%)
- Magenta (14%)
- Yellow (0%)
- Black (50%)




- Cyan (52%)
- Magenta (57%)
- Yellow (50%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 48, 11.833, 316.994 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, 11.833, 316.994 by changing the saturation by 10% instead.


 48, 11.833,
316.994


 48, 11.833,
316.994


 100, 11.833,
316.994


 38, 11.833,
316.994

 68, 11.833,
316.994


 28, 11.833,
316.994

 78, 11.833,
316.994

 18, 11.833,
316.994


 88, 11.833,
316.994

 8, 11.833, 316.994

 98, 11.833,
316.994

 0, 11.833, 316.994

 48, 11.833,

 48, 11.833,

316.994

44, 20.388,
317.417

41, 28.992,
317.835

37, 37.510,
318.228

34, 45.740,
318.569

31, 53.401,
318.821

28, 60.130,
318.936

26, 65.527,
318.860

24, 69.292,
318.549

316.994

52, 3.408, 316.556

56, 4.834, 136.232

60, 12.866,
135.848

64, 20.678,
135.504

67, 28.267,
135.190

71, 35.637,
134.904

75, 42.795,
134.646

79, 49.751,
134.413

■ 23, 71.273,
318.351

■ 83, 56.515,
134.204

Harmonies

Complementary

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



48, 11.833, 316.994



52, 11.717, 135.839

Rectangle

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



48, 11.833, 316.994



48, 11.833, 6.994



48, 11.833, 136.994



48, 11.833, 186.994

Sweetspot

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



48, 11.831, 316.993



66, 4.120, 316.556



48, 7.797, 276.710



34, 2.952, 316.588



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, 11.831, 316.993



60, 17.722, 317.133



48, 11.015, 331.957



25, 4.705, 316.780



23, 71.237, 318.352



0, 0.000, 0.000

Inverse Universe

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



48, 7.974, 358.801



60, 11.988, 359.160



52, 10.974, 150.219



25, 3.153, 358.276



26, 52.452, 21.110



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 48, 11.833, 316.994 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, 11.833, 316.994 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

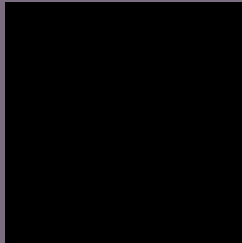
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 48, 11.833, 316.994

Background



This preview shows how black text looks on a background with the CIELCh color 48, 11.833, 316.994.



This preview shows how white text looks on a background with the CIELCh color 48, 11.833, 316.994.

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

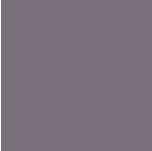
48, 11.833, 316.994

Protanopia

48, 10.044, 287.178

Deuteranopia

48, 9.994, 309.608



Tritanopia
48, 6.689, 327.697

Trichromacy



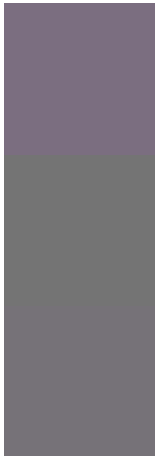
Original Color
48, 11.833, 316.994

Protanomaly
48, 10.125, 298.052

Deuteranomaly
48, 10.829, 312.627

Tritanomaly
48, 9.080, 322.844

Monochromacy



Original Color
48, 11.833, 316.994

Achromatopsia
49, 0.007, 296.813

Achromatomaly
49, 3.899, 314.835

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 11.833, 316.994 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(123, 110, 128)` looks like.

```
.text, #text, p{  
    color:rgb(123, 110, 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(123, 110, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 110, 128) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 11.833, 316.994 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(123, 110, 128) }
```

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

```
.border{ border-color:rgb(123, 110, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 110, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 110, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 110, 128);  
box-shadow:4px 4px 4px 4px rgb(123, 110,  
128) }
```

Background

The CSS property to change the background color of an element to CIELCh 48, 11.833, 316.994 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 110, 128) }
```

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

```
.background{ background-color: rgb(123,  
110, 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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