

Converting Colors

CIELCh(48, 15.582, 313.143)

Have a look what the booklet for
CIELCh(48, 15.582, 313.143)
contains.

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Color

CIELCh(48, 15.229, 312.672)

Conversions

Conversions Part 1

Format	Color
Hex	7B6D85
RGB	123, 109, 133
RGB Percent	48%, 43%, 52%
CMY	0.5182, 0.5731, 0.4790
CMYK	0.08, 0.18, 0.00, 0.48
HSL	275°, 10%, 47%
HSV	275°, 18%, 52%
XYZ	17.8224, 16.7945, 24.4370
YIQ	115.9220, 0.6400, 10.4320

Conversions

Conversions Part 2

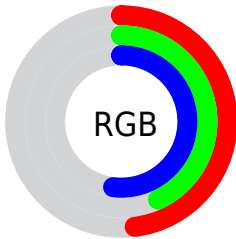
Format	Color
R_{YB}	123, 109, 133
Decimal	8088965
CIE _{Lab}	48.00, 10.32, -11.20
CIE _{LCh}	48, 15.229, 312.672
Yxy	16.7945, 0.3018, 0.2844
Android (android.graphics.Color)	4286279045 (0xFF7B6D85)
YUV	115.9220, 8.4195, 6.2074
Hunter-Lab	40.9810, 5.9116, -6.6679

Details

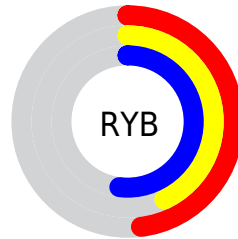
The CIELCh color $48, 15.229, 312.672$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $54, 14.936, 131.169$, and the grayscale version is $49, 0.007, 296.813$.

A 20% lighter version of the original color is $68, 14.898, 313.039$, and $28, 15.308, 313.238$ is the 20% darker color. If you saturate the color by 10%, you get $44, 23.909, 313.124$, and if you desaturate by 10%, it is $52, 6.716, 312.233$.

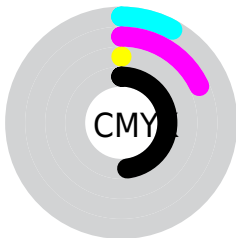
Distribution



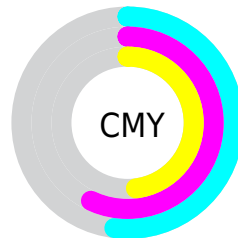
- Red (48%)
- Green (43%)
- Blue (52%)



- Red (48%)
- Yellow (43%)
- Blue (52%)



- Cyan (8%)
- Magenta (18%)
- Yellow (0%)
- Black (48%)





- Cyan (52%)
- Magenta (57%)
- Yellow (48%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 48, 15.229, 312.672 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, 15.229, 312.672 by changing the saturation by 10% instead.


 48, 15.229,
312.672


 48, 15.229,
312.672


 100, 15.229,
312.672


 38, 15.229,
312.672

 68, 15.229,
312.672


 28, 15.229,
312.672

 78, 15.229,
312.672

 18, 15.229,
312.672


 88, 15.229,
312.672

 8, 15.229, 312.672

 98, 15.229,
312.672

 0, 15.229, 312.672

 48, 15.229,

 48, 15.229,

312.672

44, 23.909,
313.124

40, 32.687,
313.582

36, 41.435,
314.025

32, 49.948,
314.415

29, 57.919,
314.704

26, 64.927,
314.822

23, 70.476,
314.686

22, 74.547,
314.313

312.672

52, 6.716, 312.233

56, 1.585, 131.917

60, 9.659, 131.494

65, 17.499,
131.158

69, 25.109,
130.858

73, 32.494,
130.592

77, 39.665,
130.356

81, 46.631,
130.149

85, 53.405,

■ 21, 75.353,
314.258

129.968

Harmonies

Complementary

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



48, 15.229, 312.672



54, 14.936, 131.169

Rectangle

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



48, 15.229, 312.672



48, 15.229, 2.672



48, 15.229, 132.672



48, 15.229, 182.672

Sweetspot

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



48, 15.228, 312.671



68, 5.162, 312.103



50, 8.772, 264.789



35, 3.509, 312.130



86, 0.010, 296.813



37, 0.005, 296.813

Same Dimension

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



48, 15.228, 312.671



60, 23.172, 312.871



49, 16.222, 327.260



26, 4.698, 312.280



21, 74.190, 314.280



0, 1.113, 311.921

Inverse Universe

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



49, 11.424, 350.007



60, 17.389, 350.472



53, 16.201, 145.176



26, 3.519, 349.128



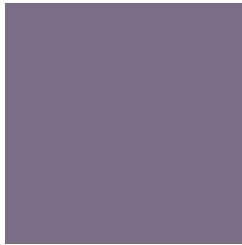
27, 51.256, 8.410



0, 0.832, 348.393

Previews

White Background



This preview shows how the CIELCh color 48, 15.229, 312.672 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, 15.229, 312.672 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, 15.229, 312.672

Background



This preview shows how black text looks on a background with the CIELCh color 48, 15.229, 312.672.



This preview shows how white text looks on a background with the CIELCh color 48, 15.229, 312.672.

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

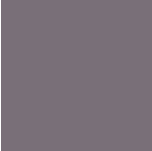
48, 15.229, 312.672

Protanopia

48, 13.612, 285.739

Deuteranopia

48, 12.588, 300.516



Tritanopia
48, 6.689, 327.697

Trichromacy



Original Color
48, 15.229, 312.672

Protanomaly
48, 14.251, 296.582

Deuteranomaly
48, 13.411, 305.060

Tritanomaly
48, 10.092, 319.305

Monochromacy



Original Color
48, 15.229, 312.672

Achromatopsia
49, 0.007, 296.813

Achromatomaly
48, 5.691, 311.268

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 15.229, 312.672 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, 109, 133)` looks like.

```
.text, #text, p{  
    color:rgb(123, 109, 133)  
}
```

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, 109, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 109, 133) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 15.229, 312.672 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, 109, 133) }
```

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

```
.border{ border-color:rgb(123, 109, 133) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 109, 133)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 109, 133); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 109, 133);  
box-shadow:4px 4px 4px 4px rgb(123, 109,  
133) }
```

Background

The CSS property to change the background color of an element to CIELCh 48, 15.229, 312.672 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 109, 133) }
```

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

```
.background{ background-color: rgb(123,  
109, 133) }
```

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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