

Converting Colors

CIELCh(48, 20.097, 310.824)

Have a look what the booklet for
CIELCh(48, 20.097, 310.824)
contains.

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Color

CIELCh(48, 20.607, 310.658)

Conversions

Conversions Part 1

Format	Color
Hex	7C6B8C
RGB	124, 107, 140
RGB Percent	49%, 42%, 55%
CMY	0.5124, 0.5791, 0.4497
CMYK	0.11, 0.24, 0.00, 0.45
HSL	271°, 13%, 49%
HSV	271°, 24%, 55%
XYZ	18.4086, 16.7945, 27.2113
YIQ	115.8450, -0.4610, 13.8670

Conversions

Conversions Part 2

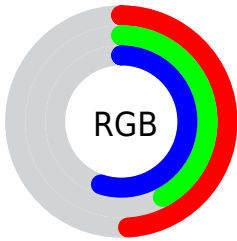
Format	Color
R_{YB}	124, 107, 140
Decimal	8153996
CIE _{Lab}	48.00, 13.43, -15.63
CIE _{LCh}	48, 20.607, 310.658
Yxy	16.7945, 0.2949, 0.2691
Android (android.graphics.Color)	4286344076 (0xFF7C6B8C)
YUV	115.8450, 11.9084, 7.1519
Hunter-Lab	40.9810, 8.4652, -10.6817

Details

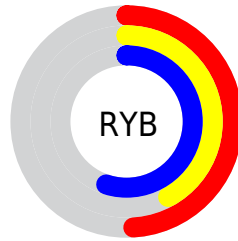
The CIELCh color $48, 20.607, 310.658$ is a dark color, and the websafe version is hex 666699 . A complement of this color would be $56, 19.993, 128.564$, and the grayscale version is $49, 0.007, 296.813$.

A 20% lighter version of the original color is $68, 21.100, 310.863$, and $28, 20.405, 310.568$ is the 20% darker color. If you saturate the color by 10%, you get $44, 29.695, 311.162$, and if you desaturate by 10%, it is $52, 11.695, 310.177$.

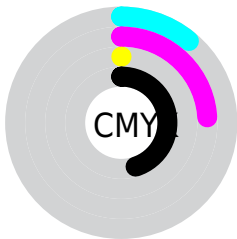
Distribution



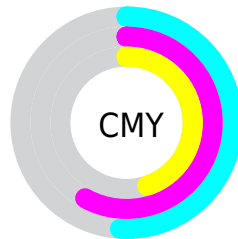
- Red (49%)
- Green (42%)
- Blue (55%)



- Red (49%)
- Yellow (42%)
- Blue (55%)



- Cyan (11%)
- Magenta (24%)
- Yellow (0%)
- Black (45%)



- Cyan (51%)
- Magenta (58%)
- Yellow (45%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 48, 20.607, 310.658 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, 20.607, 310.658 by changing the saturation by 10% instead.


 48, 20.607,
310.658


 48, 20.607,
310.658


 100, 20.607,
310.658

 38, 20.607,
310.658

 68, 20.607,
310.658


 28, 20.607,
310.658

 78, 20.607,
310.658

 18, 20.607,
310.658

 88, 20.607,
310.658

 8, 20.607, 310.658

 98, 20.607,
310.658

 0, 20.607, 310.658

 48, 20.607,

 48, 20.607,

310.658

44, 29.695,
311.162

39, 38.876,
311.675

35, 47.991,
312.167

31, 56.786,
312.593

28, 64.869,
312.886

25, 71.713,
312.955

23, 76.749,
312.699

21, 79.568,
312.500

310.658

52, 11.695,
310.177

57, 3.011, 309.713

61, 5.428, 129.361

66, 13.615,
128.990

70, 21.554,
128.666

74, 29.252,
128.381

79, 36.721,
128.132

83, 43.971,
127.914

■ 87, 51.015,
127.726

Harmonies

Complementary

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



48, 20.607, 310.658



56, 19.993, 128.564

Rectangle

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



48, 20.607, 310.658



48, 20.607, 0.658



48, 20.607, 130.658



48, 20.607, 180.658

Sweetspot

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



48, 20.606, 310.657



71, 7.474, 309.885



51, 11.177, 258.781



36, 4.842, 309.906



88, 0.010, 296.813



39, 0.006, 296.813

Same Dimension

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



48, 20.606, 310.657



59, 30.722, 310.912



50, 23.140, 325.679



28, 4.924, 309.978



20, 77.395, 312.540



0, 3.287, 309.595

Inverse Universe

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



49, 16.304, 346.535



61, 24.242, 347.064



55, 23.128, 142.946



28, 3.911, 345.180



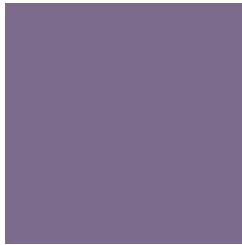
28, 52.857, 2.208



1, 2.612, 344.474

Previews

White Background



This preview shows how the CIELCh color 48, 20.607, 310.658 looks on a white background.

Color Contrast Check

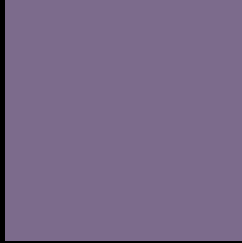
Large Text (above 18pt) WCAG AA ✓ Pass

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, 20.607, 310.658 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

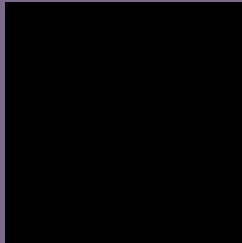
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 48, 20.607, 310.658

Background



This preview shows how black text looks on a background with the CIELCh color 48, 20.607, 310.658.



This preview shows how white text looks on a background with the CIELCh color 48, 20.607, 310.658.

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

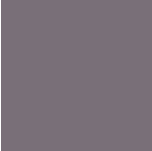
48, 20.607, 310.658

Protanopia

48, 18.376, 284.792

Deuteranopia

48, 15.936, 292.279



Tritanopia
48, 6.689, 327.697

Trichromacy



Original Color
48, 20.607, 310.658

Protanomaly
48, 18.927, 294.853

Deuteranomaly
48, 17.330, 299.799

Tritanomaly
48, 11.137, 316.449

Monochromacy



Original Color
48, 20.607, 310.658

Achromatopsia
49, 0.007, 296.813

Achromatomaly
49, 7.487, 309.468

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 20.607, 310.658 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(124, 107, 140)` looks like.

```
.text, #text, p{  
    color:rgb(124, 107, 140)  
}
```

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(124, 107, 140) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(124, 107, 140) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 20.607, 310.658 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(124, 107, 140) }
```

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

```
.border{ border-color:rgb(124, 107, 140) }
```

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

Here you see how a box with a 4 pixel `rgb(124, 107, 140)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(124, 107, 140); -webkit-box-  
shadow:4px 4px 4px 4px rgb(124, 107, 140);  
box-shadow:4px 4px 4px 4px rgb(124, 107,  
140) }
```

Background

The CSS property to change the background color of an element to CIELCh 48, 20.607, 310.658 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(124, 107, 140) }
```

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

```
.background{ background-color: rgb(124,  
107, 140) }
```

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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