

Converting Colors

CIELCh(48, 25.726, 322.918)

Have a look what the booklet for
CIELCh(48, 25.726, 322.918)
contains.

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Color

CIELCh(48, 25.190, 322.710)

Conversions

Conversions Part 1

Format	Color
Hex	88678C
RGB	136, 103, 140
RGB Percent	53%, 40%, 55%
CMY	0.4671, 0.5965, 0.4514
CMYK	0.03, 0.26, 0.00, 0.45
HSL	294°, 15%, 48%
HSV	294°, 26%, 55%
XYZ	19.7004, 16.7945, 26.9714
YIQ	117.0850, 7.7910, 18.5030

Conversions

Conversions Part 2

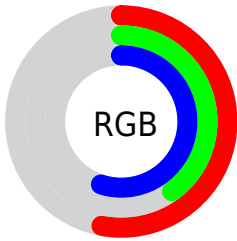
Format	Color
R_{YB}	136, 103, 140
Decimal	8939404
CIE _{Lab}	48.00, 20.04, -15.26
CIE _{LCh}	48, 25.190, 322.710
Yxy	16.7945, 0.3104, 0.2646
Android (android.graphics.Color)	4287129484 (0xFF88678C)
YUV	117.0850, 11.2971, 16.5885
Hunter-Lab	40.9810, 14.0917, -10.3346

Details

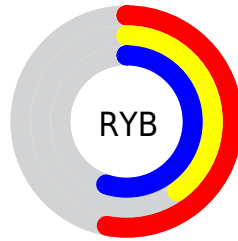
The CIELCh color $48, 25.190, 322.710$ is a dark color, and the websafe version is hex 996699 . A complement of this color would be $55, 25.039, 140.009$, and the grayscale version is $49, 0.007, 296.813$.

A 20% lighter version of the original color is $68, 25.668, 322.701$, and $28, 25.691, 322.998$ is the 20% darker color. If you saturate the color by 10%, you get $44, 34.660, 323.158$, and if you desaturate by 10%, it is $52, 15.611, 322.241$.

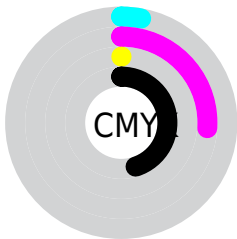
Distribution



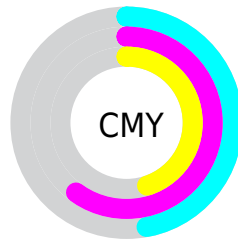
- Red (53%)
- Green (40%)
- Blue (55%)



- Red (53%)
- Yellow (40%)
- Blue (55%)



- Cyan (3%)
- Magenta (26%)
- Yellow (0%)
- Black (45%)




- Cyan (47%)
- Magenta (60%)
- Yellow (45%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 48, 25.190, 322.710 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, 25.190, 322.710 by changing the saturation by 10% instead.


 48, 25.190,
322.710


 48, 25.190,
322.710


 100, 25.190,
322.710


 38, 25.190,
322.710

 68, 25.190,
322.710


 28, 25.190,
322.710

 78, 25.190,
322.710

 18, 25.190,
322.710

 88, 25.190,
322.710

 8, 25.190, 322.710

 98, 25.190,
322.710

 0, 25.190, 322.710

 48, 25.190,

 48, 25.190,

322.710

44, 34.660,
323.158

41, 43.808,
323.568

38, 52.346,
323.918

35, 59.918,
324.180

33, 66.146,
324.326

31, 70.704,
324.332

30, 73.560,
324.194

30, 74.470,
324.140

322.710

52, 15.611,
322.241

56, 6.078, 321.755

60, 3.310, 141.377

64, 12.494,
140.892

68, 21.437,
140.461

72, 30.126,
140.058

76, 38.555,
139.680

80, 46.729,
139.330

■ 84, 54.656,
139.006

Harmonies

Complementary

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



48, 25.190, 322.710



55, 25.039, 140.009

Rectangle

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



48, 25.190, 322.710



48, 25.190, 12.710



48, 25.190, 142.710



48, 25.190, 192.710

Sweetspot

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



48, 25.188, 322.710



70, 9.325, 321.842



46, 19.450, 288.270



36, 6.685, 321.909



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, 25.188, 322.710



59, 37.612, 322.993



48, 19.936, 339.880



27, 5.264, 321.890



28, 71.631, 324.159



0, 2.427, 321.482

Inverse Universe

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



47, 15.891, 13.021



58, 24.152, 13.850



55, 19.603, 155.732



27, 3.176, 11.159



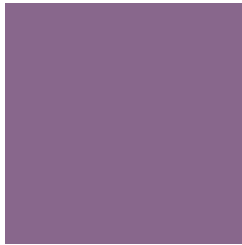
27, 59.786, 34.023



0, 1.434, 10.487

Previews

White Background



This preview shows how the CIELCh color 48, 25.190, 322.710 looks on a white background.

Color Contrast Check

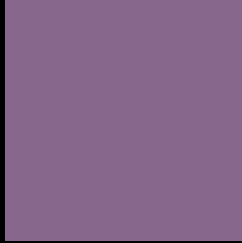
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIE LCh color 48, 25.190, 322.710 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

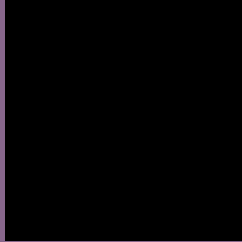
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 48, 25.190, 322.710

Background



This preview shows how black text looks on a background with the CIELCh color 48, 25.190, 322.710.



This preview shows how white text looks on a background with the CIELCh color 48, 25.190, 322.710.

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, 25.190, 322.710

Protanopia

48, 20.154, 284.804

Deuteranopia

48, 15.357, 293.581



Tritanopia
48, 11.562, 353.708

Trichromacy



Original Color
48, 25.190, 322.710

Protanomaly
48, 20.906, 299.864

Deuteranomaly
48, 18.356, 306.626

Tritanomaly
48, 15.560, 335.491

Monochromacy



Original Color
48, 25.190, 322.710

Achromatopsia
49, 0.007, 296.813

Achromatomaly
49, 9.053, 322.836

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 25.190, 322.710 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(136, 103, 140)` looks like.

```
.text, #text, p{  
    color:rgb(136, 103, 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(136, 103, 140) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 103, 140) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 25.190, 322.710 is called "border". The border property can be set on classes, ids or directly on the HTML element.

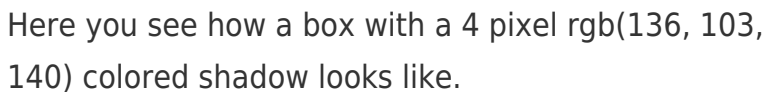
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(136, 103, 140) }
```

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

```
.border{ border-color:rgb(136, 103, 140) }
```

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



Here you see how a box with a 4 pixel `rgb(136, 103, 140)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(136, 103, 140); -webkit-box-  
shadow:4px 4px 4px 4px rgb(136, 103, 140);  
box-shadow:4px 4px 4px 4px rgb(136, 103,  
140) }
```

Background

The CSS property to change the background color of an element to CIELCh 48, 25.190, 322.710 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 103, 140) }
```

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

```
.background{ background-color: rgb(136,  
103, 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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