

Converting Colors

CIELCh(50, 29.936, 9.975)

Have a look what the booklet for
CIELCh(50, 29.936, 9.975) contains.

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Color

CIELCh(50, 29.838, 10.258)

Conversions

Conversions Part 1

Format	Color
Hex	A8636F
RGB	168, 99, 111
RGB Percent	66%, 39%, 44%
CMY	0.3409, 0.6115, 0.5644
CMYK	0.00, 0.41, 0.34, 0.34
HSL	350°, 28%, 52%
HSV	350°, 41%, 66%
XYZ	23.5055, 18.4187, 17.3745
YIQ	120.9990, 37.2720, 18.3600

Conversions

Conversions Part 2

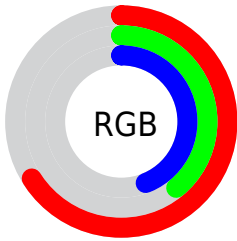
Format	Color
R _Y B	168, 99, 111
Decimal	11035503
CIE Lab	50.00, 29.36, 5.31
CIE LCh	50, 29.838, 10.258
Yxy	18.4187, 0.3964, 0.3106
Android (android.graphics.Color)	4289225583 (0xFFA8636F)
YUV	120.9990, -4.9295, 41.2199
Hunter-Lab	42.9170, 22.6592, 6.0388

Details

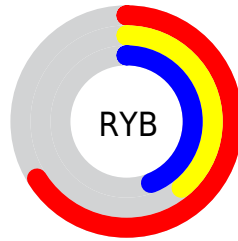
The CIELCh color **50, 29.838, 10.258** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **64, 24.738, 181.522**, and the grayscale version is **51, 0.007, 296.813**.

A 20% lighter version of the original color is **70, 29.825, 9.912**, and **30, 30.152, 10.737** is the 20% darker color. If you saturate the color by 10%, you get **46, 37.610, 12.258**, and if you desaturate by 10%, it is **54, 22.124, 8.654**.

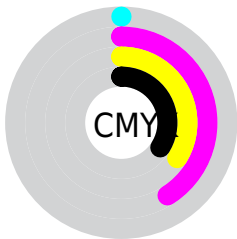
Distribution



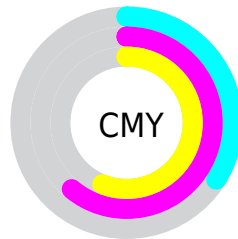
- Red (66%)
- Green (39%)
- Blue (44%)



- Red (66%)
- Yellow (39%)
- Blue (44%)



- Cyan (0%)
- Magenta (41%)
- Yellow (34%)
- Black (34%)



- Cyan (34%)
- Magenta (61%)
- Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 50, 29.838, 10.258 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 50, 29.838, 10.258 by changing the saturation by 10% instead.

■ 50, 29.838, 10.258

■ 50, 29.838, 10.258

■ 100, 29.838,
10.258

■ 40, 29.838, 10.258

■ 70, 29.838, 10.258

■ 30, 29.838, 10.258

■ 80, 29.838, 10.258

■ 20, 29.838, 10.258

■ 90, 29.838, 10.258

■ 10, 29.838, 10.258

■ 0, 29.838, 10.258

■ 50, 29.838, 10.258

■ 50, 29.838, 10.258

■ 46, 37.610, 12.258

■ 54, 22.124, 8.654

■ 42, 45.209, 14.771

■ 59, 14.642, 7.335

■ 39, 52.349, 17.944

■ 64, 7.485, 6.218

37, 58.780, 21.891

68, 0.697, 4.706

36, 64.383, 26.591

73, 5.714, 184.647

35, 68.933, 30.944

78, 11.762,
183.917

83, 17.471,
183.296

88, 22.871,
182.748

93, 27.992,
182.258

Harmonies

Complementary

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



50, 29.838, 10.258



64, 24.738, 181.522

Rectangle

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



50, 29.838, 10.258



50, 29.838, 60.258



50, 29.838, 190.258



50, 29.838, 240.258

Sweetspot

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



50, 29.836, 10.261



80, 10.121, 6.341



50, 44.528, 321.087



42, 6.726, 6.472



94, 0.011, 296.813



46, 0.006, 296.813

Same Dimension

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



50, 29.836, 10.261



60, 44.767, 12.003



55, 24.753, 51.077



33, 3.817, 6.032



30, 62.399, 30.331



1, 6.745, 7.164

Inverse Universe

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



50, 29.836, 10.261



60, 44.767, 12.003



58, 19.352, 238.560



33, 3.817, 6.032



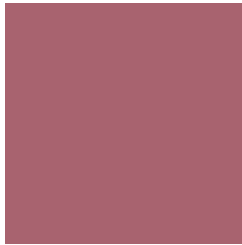
30, 62.399, 30.331



1, 6.745, 7.164

Previews

White Background



This preview shows how the CIELCh color 50, 29.838, 10.258 looks on a white background.

Color Contrast Check

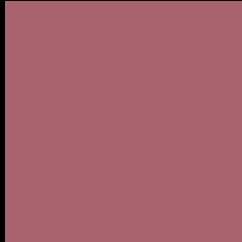
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

Black Background



This preview shows how the CIE LCh color 50, 29.838, 10.258 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

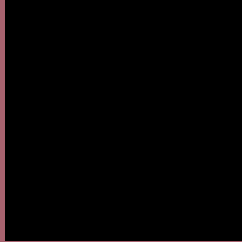
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 50, 29.838, 10.258

Background



This preview shows how black text looks on a background with the CIELCh color 50, 29.838, 10.258.



This preview shows how white text looks on a background with the CIELCh color 50, 29.838, 10.258.

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

50, 29.838, 10.258

Protanopia

50, 1.941, 314.704

Deuteranopia

50, 9.443, 45.668



Tritanopia
50, 29.364, 15.558

Trichromacy



Original Color
50, 29.838, 10.258

Protanomaly
50, 11.269, 2.753

Deuteranomaly
50, 16.216, 21.353

Tritanomaly
50, 29.342, 14.438

Monochromacy



Original Color
50, 29.838, 10.258

Achromatopsia
51, 0.007, 296.813

Achromatomaly
50, 10.599, 8.019

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 29.838, 10.258 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(168, 99, 111)` looks like.

```
.text, #text, p{  
    color:rgb(168, 99, 111)  
}
```

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(168, 99, 111) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 99, 111) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 29.838, 10.258 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(168, 99, 111) }
```

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

```
.border{ border-color:rgb(168, 99, 111) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 99, 111)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 99, 111); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 99, 111);  
box-shadow:4px 4px 4px 4px rgb(168, 99,  
111) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 29.838, 10.258 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 99, 111) }
```

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

```
.background{ background-color: rgb(168, 99,  
111) }
```

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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