

Converting Colors

CIELCh(49, 12.366, 348.737)

Have a look what the booklet for
CIELCh(49, 12.366, 348.737)
contains.

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Color

CIELCh(49, 12.041, 348.643)

Conversions

Conversions Part 1

Format	Color
Hex	876E79
RGB	135, 110, 121
RGB Percent	53%, 43%, 47%
CMY	0.4717, 0.5697, 0.5266
CMYK	0.00, 0.19, 0.10, 0.47
HSL	334°, 10%, 48%
HSV	334°, 19%, 53%
XYZ	18.9268, 17.5941, 20.3988
YIQ	118.7290, 11.3690, 8.7210

Conversions

Conversions Part 2

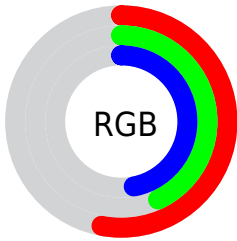
Format	Color
R_{YB}	135, 110, 121
Decimal	8875641
CIE _{Lab}	49.00, 11.81, -2.37
CIE _{LCh}	49, 12.041, 348.643
Yxy	17.5941, 0.3325, 0.3091
Android (android.graphics.Color)	4287065721 (0xFF876E79)
YUV	118.7290, 1.1196, 14.2697
Hunter-Lab	41.9453, 7.1396, 0.5278

Details

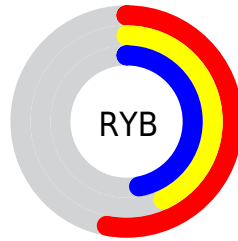
The CIELCh color $49, 12.041, 348.643$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $54, 11.688, 165.418$, and the grayscale version is $50, 0.007, 296.813$.

A 20% lighter version of the original color is $69, 11.602, 349.236$, and $29, 12.382, 347.119$ is the 20% darker color. If you saturate the color by 10%, you get $45, 18.703, 349.709$, and if you desaturate by 10%, it is $53, 5.478, 347.681$.

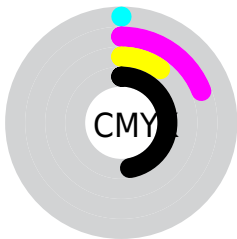
Distribution



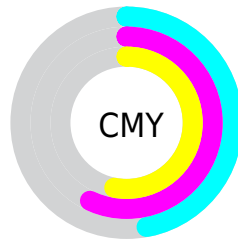
- Red (53%)
- Green (43%)
- Blue (47%)



- Red (53%)
- Yellow (43%)
- Blue (47%)



- Cyan (0%)
- Magenta (19%)
- Yellow (10%)
- Black (47%)



- Cyan (47%)
- Magenta (57%)
- Yellow (53%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 49, 12.041, 348.643 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 49, 12.041, 348.643 by changing the saturation by 10% instead.


 49, 12.041,
348.643


 49, 12.041,
348.643

 100, 12.041,
348.643

 39, 12.041,
348.643

 69, 12.041,
348.643

 29, 12.041,
348.643

 79, 12.041,
348.643

 19, 12.041,
348.643

 89, 12.041,
348.643

 9, 12.041, 348.643

 99, 12.041,
348.643

 0, 12.041, 348.643

 49, 12.041,

 49, 12.041,

348.643

348.643

45, 18.703,
349.709

53, 5.478, 347.681

42, 25.352,
350.923

57, 0.911, 167.253

61, 7.092, 166.188

38, 31.808,
352.341

65, 13.051,
165.475

35, 37.824,
354.036

69, 18.787,
164.831

33, 43.097,
356.112

73, 24.310,
164.239

31, 47.319,
358.701

77, 29.631,
163.692

29, 50.272, 1.961

81, 34.765,
163.184

28, 52.245, 5.836

85, 39.727,

Harmonies

Complementary

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



49, 12.041, 348.643



54, 11.688, 165.418

Rectangle

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



49, 12.041, 348.643



49, 12.041, 38.643



49, 12.041, 168.643



49, 12.041, 218.643

Sweetspot

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



49, 12.039, 348.646



69, 4.767, 347.448



48, 15.719, 311.584



36, 3.189, 347.501



87, 0.010, 296.813



38, 0.005, 296.813

Same Dimension

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



49, 12.039, 348.646



61, 17.835, 349.051



49, 10.043, 24.691



26, 3.571, 347.735



27, 51.228, 6.214



0, 0.845, 347.012

Inverse Universe

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



49, 12.039, 348.646



61, 17.835, 349.051



54, 8.913, 203.215



26, 3.571, 347.735



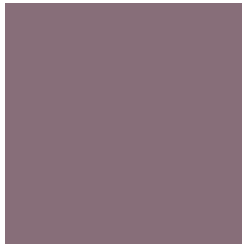
27, 51.228, 6.214



0, 0.845, 347.012

Previews

White Background



This preview shows how the CIELCh color 49, 12.041, 348.643 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 49, 12.041, 348.643 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

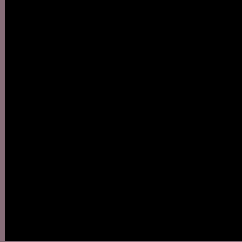
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 49, 12.041, 348.643

Background



This preview shows how black text looks on a background with the CIELCh color 49, 12.041, 348.643.



This preview shows how white text looks on a background with the CIELCh color 49, 12.041, 348.643.

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

49, 12.041, 348.643

Protanopia

49, 4.702, 290.806

Deuteranopia

49, 6.696, 342.392



Tritanopia
49, 11.142, 352.623

Trichromacy



Original Color
49, 12.041, 348.643

Protanomaly
49, 6.425, 324.797

Deuteranomaly
49, 8.361, 346.337

Tritanomaly
49, 11.407, 349.996

Monochromacy



Original Color
49, 12.041, 348.643

Achromatopsia
50, 0.007, 296.813

Achromatomaly
49, 4.351, 347.291

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 12.041, 348.643 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(135, 110, 121)` looks like.

```
.text, #text, p{  
    color:rgb(135, 110, 121)  
}
```

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(135, 110, 121) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 110, 121) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 12.041, 348.643 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(135, 110, 121) }
```

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

```
.border{ border-color:rgb(135, 110, 121) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 110, 121)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 110, 121); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 110, 121);  
box-shadow:4px 4px 4px 4px rgb(135, 110,  
121) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 12.041, 348.643 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 110, 121) }
```

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

```
.background{ background-color: rgb(135,  
110, 121) }
```

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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