

Converting Colors

CIELCh(49, 13.189, 3.775)

Have a look what the booklet for
CIELCh(49, 13.189, 3.775) contains.

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Color

CIELCh(49, 12.943, 5.373)

Conversions

Conversions Part 1

Format	Color
Hex	8B6D73
RGB	139, 109, 115
RGB Percent	55%, 43%, 45%
CMY	0.4558, 0.5734, 0.5499
CMYK	0.00, 0.22, 0.17, 0.46
HSL	348°, 12%, 49%
HSV	348°, 22%, 54%
XYZ	19.1378, 17.5941, 18.5421
YIQ	118.6540, 15.9540, 8.2260

Conversions

Conversions Part 2

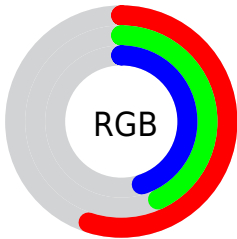
Format	Color
R_{YB}	139, 109, 115
Decimal	9137523
CIE _{Lab}	49.00, 12.89, 1.21
CIE _{LCh}	49, 12.943, 5.373
Yxy	17.5941, 0.3462, 0.3183
Android (android.graphics.Color)	4287327603 (0xFF8B6D73)
YUV	118.6540, -1.8014, 17.8434
Hunter-Lab	41.9453, 8.0375, 3.1523

Details

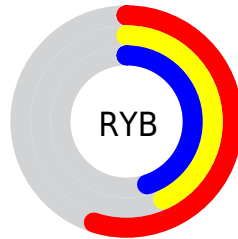
The CIELCh color $49, 12.943, 5.373$ is a dark color, and the websafe version is hex 996666 . A complement of this color would be $55, 11.891, 181.374$, and the grayscale version is $50, 0.007, 296.813$.

A 20% lighter version of the original color is $69, 12.807, 5.792$, and $29, 12.916, 4.674$ is the 20% darker color. If you saturate the color by 10%, you get $45, 19.348, 6.684$, and if you desaturate by 10%, it is $53, 6.784, 4.263$.

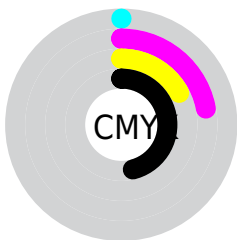
Distribution



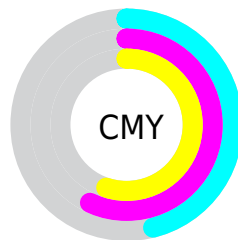
- Red (55%)
- Green (43%)
- Blue (45%)



- Red (55%)
- Yellow (43%)
- Blue (45%)



- Cyan (0%)
- Magenta (22%)
- Yellow (17%)
- Black (46%)



- Cyan (46%)
- Magenta (57%)
- Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 49, 12.943, 5.373 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, 12.943, 5.373 by changing the saturation by 10% instead.

■ 49, 12.943, 5.373 ■ 49, 12.943, 5.373

■ 100, 12.943, 5.373 ■ 39, 12.943, 5.373

■ 69, 12.943, 5.373 ■ 29, 12.943, 5.373

■ 79, 12.943, 5.373 ■ 19, 12.943, 5.373

■ 89, 12.943, 5.373 ■ 9, 12.943, 5.373

■ 99, 12.943, 5.373 ■ 0, 12.943, 5.373

■ 49, 12.943, 5.373 ■ 49, 12.943, 5.373

■ 45, 19.348, 6.684 ■ 53, 6.784, 4.263

■ 41, 25.918, 8.262 ■ 57, 0.918, 2.968

■ 38, 32.505, 10.205 ■ 61, 4.645, 182.672

■ 35, 38.904, 12.636

■ 65, 9.911, 181.922

■ 32, 44.873, 15.692

■ 70, 14.897,
181.283

■ 30, 50.197, 19.502

■ 74, 19.626,
180.715

■ 29, 54.779, 24.095

■ 28, 58.414, 28.051

■ 78, 24.121,
180.204

■ 82, 28.406,
179.741

■ 87, 32.502,
179.317

Harmonies

Complementary

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



49, 12.943, 5.373



55, 11.891, 181.374

Rectangle

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



49, 12.943, 5.373



49, 12.943, 55.373



49, 12.943, 185.373



49, 12.943, 235.373

Sweetspot

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



49, 12.941, 5.378



71, 4.297, 3.685



49, 19.932, 319.734



37, 2.876, 3.745



88, 0.010, 296.813



39, 0.006, 296.813

Same Dimension

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



49, 12.941, 5.378



61, 19.567, 5.997



51, 10.375, 50.228



27, 3.257, 4.006



27, 56.398, 27.788



0, 1.478, 3.249

Inverse Universe

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



49, 12.941, 5.378



61, 19.567, 5.997



53, 9.195, 233.421



27, 3.257, 4.006



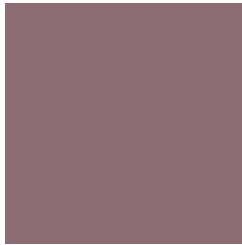
27, 56.398, 27.788



0, 1.478, 3.249

Previews

White Background



This preview shows how the CIELCh color 49, 12.943, 5.373 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, 12.943, 5.373 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

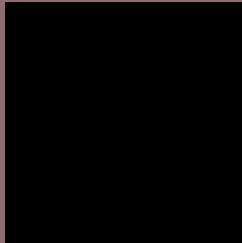
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 49, 12.943, 5.373

Background



This preview shows how black text looks on a background with the CIELCh color 49, 12.943, 5.373.



This preview shows how white text looks on a background with the CIELCh color 49, 12.943, 5.373.

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, 12.943, 5.373

Protanopia

49, 1.950, 314.708

Deuteranopia

49, 6.646, 15.107



Tritanopia
49, 13.821, 358.857

Trichromacy



Original Color
49, 12.943, 5.373

Protanomaly
49, 5.815, 356.314

Deuteranomaly
49, 9.301, 9.674

Tritanomaly
49, 13.648, 1.165

Monochromacy



Original Color
49, 12.943, 5.373

Achromatopsia
50, 0.007, 296.813

Achromatomaly
49, 4.650, 5.337

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 12.943, 5.373 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(139, 109, 115)` looks like.

```
.text, #text, p{  
    color:rgb(139, 109, 115)  
}
```

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(139, 109, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(139, 109, 115) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 12.943, 5.373 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(139, 109, 115) }
```

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

```
.border{ border-color:rgb(139, 109, 115) }
```

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

Here you see how a box with a 4 pixel `rgb(139, 109, 115)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(139, 109, 115); -webkit-box-  
shadow:4px 4px 4px 4px rgb(139, 109, 115);  
box-shadow:4px 4px 4px 4px rgb(139, 109,  
115) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 12.943, 5.373 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(139, 109, 115) }
```

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

```
.background{ background-color: rgb(139,  
109, 115) }
```

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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