

Converting Colors

CIELCh(49, 9.856, 165.724)

Have a look what the booklet for
CIELCh(49, 9.856, 165.724) contains.

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Color

CIELCh(49, 9.939, 166.214)

Conversions

Conversions Part 1

| Format | Color |
|-------------|----------------------------|
| Hex | 647970 |
| RGB | 100, 121, 112 |
| RGB Percent | 39%, 47%, 44% |
| CMY | 0.6074, 0.5250, 0.5603 |
| CMYK | 0.17, 0.00, 0.07, 0.52 |
| HSL | 154°, 9%, 43% |
| HSV | 154°, 17%, 48% |
| XYZ | 15.0531, 17.5941, 17.9679 |
| YIQ | 113.6950, -9.6270, -7.2510 |

Conversions

Conversions Part 2

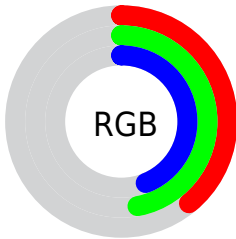
| Format | Color |
|-------------------------------------|--------------------------------|
| R_{YB} | 100, 113, 121 |
| Decimal | 6584688 |
| CIE Lab | 49.00, -9.65, 2.37 |
| CIE LCh | 49, 9.939, 166.214 |
| Yxy | 17.5941, 0.2974, 0.3476 |
| Android (android.graphics.Color) | 4284774768 (0xFF647970) |
| YUV | 113.6950, -0.8356, -12.0105 |
| Hunter-Lab | 41.9453, -9.3452, 3.9640 |

Details

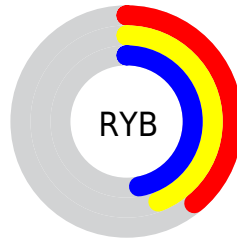
The CIELCh color $49, 9.939, 166.214$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $45, 10.230, 349.191$, and the grayscale version is $48, 0.006, 296.813$.

A 20% lighter version of the original color is $69, 9.637, 167.769$, and $29, 9.744, 165.940$ is the 20% darker color. If you saturate the color by 10%, you get $48, 15.572, 165.220$, and if you desaturate by 10%, it is $50, 4.217, 167.145$.

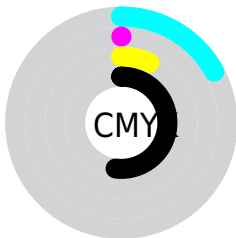
Distribution



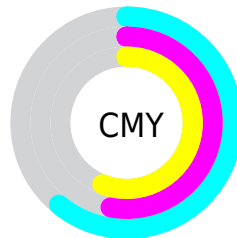
- Red (39%)
- Green (47%)
- Blue (44%)



- Red (39%)
- Yellow (44%)
- Blue (47%)



- Cyan (17%)
- Magenta (0%)
- Yellow (7%)
- Black (52%)



- Cyan (61%)
- Magenta (53%)
- Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 49, 9.939, 166.214 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, 9.939, 166.214 by changing the saturation by 10% instead.

■ 49, 9.939, 166.214

■ 49, 9.939, 166.214

■ 100, 9.939,
166.214

■ 39, 9.939, 166.214

■ 69, 9.939, 166.214

■ 29, 9.939, 166.214

■ 79, 9.939, 166.214

■ 19, 9.939, 166.214

■ 89, 9.939, 166.214

■ 9, 9.939, 166.214

■ 99, 9.939, 166.214

■ 0, 9.939, 166.214

■ 49, 9.939, 166.214

■ 49, 9.939, 166.214

■ 48, 15.572,
165.220

■ 50, 4.217, 167.145

■ 47, 21.035,

■ 51, 1.532, 347.700

164.132

52, 7.252, 348.614

47, 26.242,
162.924

54, 12.904,
349.340

46, 31.105,
161.573

55, 18.457,
350.011

45, 35.543,
160.057

57, 23.890,
350.639

45, 39.493,
158.357

58, 29.191,
351.233

45, 42.921,
156.462

60, 34.351,
351.796

44, 45.919,
154.451

61, 39.369,
352.332

44, 46.706,
153.950

Harmonies

Complementary

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



49, 9.939, 166.214



45, 10.230, 349.191

Rectangle

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



49, 9.939, 166.214



49, 9.939, 216.214



49, 9.939, 346.214



49, 9.939, 36.214

Sweetspot

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



49, 9.940, 166.211



64, 3.570, 167.364



49, 13.237, 130.645



33, 2.423, 167.306



83, 0.010, 296.813



34, 0.005, 296.813

Same Dimension

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



49, 9.940, 166.211



62, 14.937, 165.807



49, 7.550, 204.926



25, 3.263, 166.982



46, 47.832, 153.870



88, 82.574, 152.549

Inverse Universe

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



45, 10.230, 349.191



56, 15.480, 349.614



45, 8.430, 26.046



24, 3.315, 348.397



26, 49.773, 7.071



54, 83.949, 9.958

Previews

White Background



This preview shows how the CIELCh color 49, 9.939, 166.214 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, 9.939, 166.214 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

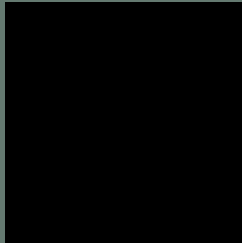
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 49, 9.939, 166.214

Background



This preview shows how black text looks on a background with the CIELCh color 49, 9.939, 166.214.



This preview shows how white text looks on a background with the CIELCh color 49, 9.939, 166.214.

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, 9.939, 166.214

Protanopia

49, 4.408, 87.490

Deuteranopia

49, 6.715, 10.143



Tritanopia
49, 7.901, 241.094

Trichromacy



Original Color
49, 9.939, 166.214

Protanomaly
49, 5.127, 133.065

Deuteranomaly
49, 1.685, 63.308

Tritanomaly
49, 6.988, 208.432

Monochromacy



Original Color
49, 9.939, 166.214

Achromatopsia
48, 0.006, 296.813

Achromatomaly
48, 4.012, 163.183

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 9.939, 166.214 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(100, 121, 112)` looks like.

```
.text, #text, p{  
    color:rgb(100, 121, 112)  
}
```

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(100, 121, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 121, 112) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 9.939, 166.214 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(100, 121, 112) }
```

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

```
.border{ border-color:rgb(100, 121, 112) }
```

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

Here you see how a box with a 4 pixel `rgb(100, 121, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 121, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 121, 112);  
box-shadow:4px 4px 4px 4px rgb(100, 121,  
112) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 9.939, 166.214 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 121, 112) }
```

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

```
.background{ background-color: rgb(100,  
121, 112) }
```

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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