

Converting Colors

CIELCh(49, 16.918, 289.854)

Have a look what the booklet for
CIELCh(49, 16.918, 289.854)
contains.

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Color

CIELCh(49, 17.062, 289.964)

Conversions

Conversions Part 1

Format	Color
Hex	70728F
RGB	112, 114, 143
RGB Percent	44%, 45%, 56%
CMY	0.5592, 0.5513, 0.4376
CMYK	0.22, 0.20, 0.00, 0.44
HSL	236°, 12%, 50%
HSV	236°, 22%, 56%
XYZ	17.7876, 17.5941, 28.6138
YIQ	116.7080, -10.5010, 8.5950

Conversions

Conversions Part 2

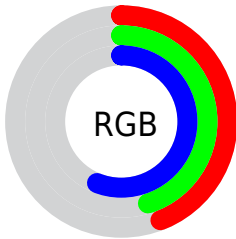
Format	Color
R_{YB}	112, 114, 143
Decimal	7369359
CIE Lab	49.00, 5.83, -16.04
CIE LCh	49, 17.062, 289.964
Yxy	17.5941, 0.2780, 0.2749
Android (android.graphics.Color)	4285559439 (0xFF70728F)
YUV	116.7080, 12.9620, -4.1289
Hunter-Lab	41.9453, 2.2916, -11.0841

Details

The CIELCh color $49, 17.062, 289.964$ is a dark color, and the websafe version is hex 666699 . A complement of this color would be $58, 16.358, 105.319$, and the grayscale version is $49, 0.007, 296.813$.

A 20% lighter version of the original color is $69, 17.050, 289.543$, and $29, 17.414, 290.944$ is the 20% darker color. If you saturate the color by 10%, you get $44, 25.433, 291.433$, and if you desaturate by 10%, it is $54, 9.005, 288.708$.

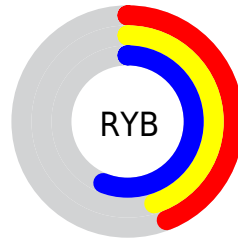
Distribution



Red (44%)

Green (45%)

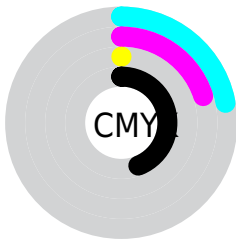
Blue (56%)



Red (44%)

Yellow (45%)

Blue (56%)

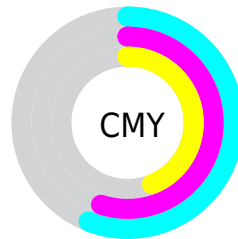


Cyan (22%)

Magenta (20%)

Yellow (0%)

Black (44%)



Cyan (56%)


Magenta (55%)

Yellow (44%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 49, 17.062, 289.964 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, 17.062, 289.964 by changing the saturation by 10% instead.

 49, 17.062,
289.964


 49, 17.062,
289.964


 100, 17.062,
289.964


 39, 17.062,
289.964

 69, 17.062,
289.964


 29, 17.062,
289.964

 79, 17.062,
289.964

 19, 17.062,
289.964

 89, 17.062,
289.964

 9, 17.062, 289.964

 99, 17.062,
289.964

 0, 17.062, 289.964

 49, 17.062,

 49, 17.062,

289.964

289.964

■ 44, 25.433,
291.433

■ 54, 9.005, 288.708

■ 39, 34.144,
293.144

■ 59, 1.242, 287.682

■ 64, 6.251, 106.693

■ 34, 43.198,
295.110

■ 68, 13.491,
105.908

■ 30, 52.549,
297.312

■ 73, 20.497,
105.226

■ 25, 62.015,
299.669

■ 78, 27.283,
104.634

■ 21, 71.138,
302.007

■ 83, 33.861,
104.117

■ 18, 79.035,
304.054

■ 87, 40.245,
103.664

■ 16, 83.947,
305.242

■ 92, 46.444,

Harmonies

Complementary

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



49, 17.062, 289.964



58, 16.358, 105.319

Rectangle

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



49, 17.062, 289.964



49, 17.062, 339.964



49, 17.062, 109.964



49, 17.062, 159.964

Sweetspot

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



49, 17.061, 289.962



72, 5.697, 288.104



57, 11.558, 192.436



38, 3.812, 288.163



88, 0.010, 296.813



40, 0.006, 296.813

Same Dimension

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



49, 17.061, 289.962



60, 25.614, 290.657



50, 18.968, 307.781



28, 4.340, 288.431



15, 80.184, 305.167



0, 2.888, 287.467

Inverse Universe

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



50, 13.043, 15.879



62, 19.715, 16.436



58, 18.353, 125.694



28, 3.253, 14.672



27, 62.115, 36.197



0, 2.133, 14.061

Previews

White Background



This preview shows how the CIELCh color 49, 17.062, 289.964 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, 17.062, 289.964 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

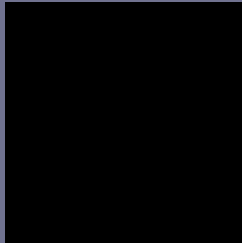
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

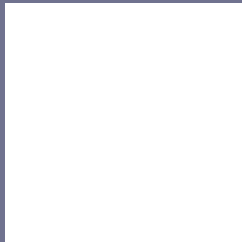
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 49, 17.062, 289.964

Background



This preview shows how black text looks on a background with the CIELCh color 49, 17.062, 289.964.



This preview shows how white text looks on a background with the CIELCh color 49, 17.062, 289.964.

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

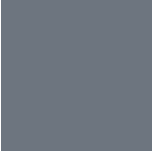
49, 17.062, 289.964

Protanopia

49, 17.093, 286.350

Deuteranopia

49, 17.645, 292.467



Tritanopia
49, 6.562, 263.100

Trichromacy



Original Color
49, 17.062, 289.964

Protanomaly
49, 17.067, 287.540

Deuteranomaly
49, 17.643, 291.294

Tritanomaly
49, 10.188, 278.715

Monochromacy



Original Color
49, 17.062, 289.964

Achromatopsia
49, 0.007, 296.813

Achromatomaly
49, 6.468, 287.597

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 17.062, 289.964 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(112, 114, 143)` looks like.

```
.text, #text, p{  
    color:rgb(112, 114, 143)  
}
```

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(112, 114, 143) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 114, 143) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 17.062, 289.964 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(112, 114, 143) }
```

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

```
.border{ border-color:rgb(112, 114, 143) }
```

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

Here you see how a box with a 4 pixel `rgb(112, 114, 143)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 114, 143); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 114, 143);  
box-shadow:4px 4px 4px 4px rgb(112, 114,  
143) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 17.062, 289.964 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 114, 143) }
```

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

```
.background{ background-color: rgb(112,  
114, 143) }
```

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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