

Converting Colors

CIELCh(49, 11.621, 277.410)

Have a look what the booklet for
CIELCh(49, 11.621, 277.410)
contains.

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Color

CIELCh(49, 11.970, 279.203)

Conversions

Conversions Part 1

Format	Color
Hex	6D7488
RGB	109, 116, 136
RGB Percent	43%, 45%, 53%
CMY	0.5716, 0.5442, 0.4657
CMYK	0.20, 0.15, 0.00, 0.47
HSL	224°, 11%, 48%
HSV	224°, 20%, 53%
XYZ	17.0678, 17.5941, 25.8777
YIQ	116.1870, -10.5920, 4.7360

Conversions

Conversions Part 2

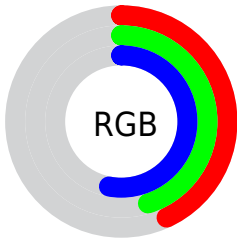
Format	Color
R_{YB}	109, 115, 136
Decimal	7173256
CIE _{Lab}	49.00, 1.91, -11.82
CIE _{LCh}	49, 11.970, 279.203
Yxy	17.5941, 0.2819, 0.2906
Android (android.graphics.Color)	4285363336 (0xFF6D7488)
YUV	116.1870, 9.7678, -6.3030
Hunter-Lab	41.9453, -0.7716, -7.2166

Details

The CIELCh color $49, 11.970, 279.203$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $54, 11.836, 94.286$, and the grayscale version is $49, 0.007, 296.813$.

A 20% lighter version of the original color is $69, 11.747, 279.146$, and $29, 11.828, 279.038$ is the 20% darker color. If you saturate the color by 10%, you get $45, 18.221, 280.819$, and if you desaturate by 10%, it is $53, 5.866, 277.815$.

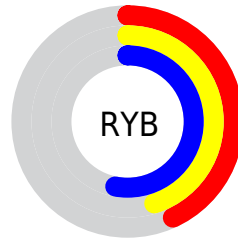
Distribution



Red (43%)

Green (45%)

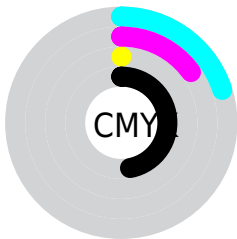
Blue (53%)



Red (43%)

Yellow (45%)

Blue (53%)

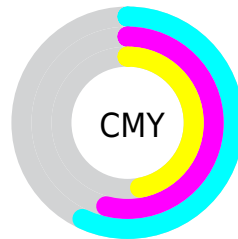


Cyan (20%)

Magenta (15%)

Yellow (0%)

Black (47%)



Cyan (57%)


Magenta (54%)


Yellow (47%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 49, 11.970, 279.203 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, 11.970, 279.203 by changing the saturation by 10% instead.


 49, 11.970,
279.203


 49, 11.970,
279.203


 100, 11.970,
279.203


 39, 11.970,
279.203

 69, 11.970,
279.203


 29, 11.970,
279.203

 79, 11.970,
279.203

 19, 11.970,
279.203

 89, 11.970,
279.203

 9, 11.970, 279.203

 99, 11.970,
279.203

 0, 11.970, 279.203

 49, 11.970,

 49, 11.970,

279.203

279.203

45, 18.221,
280.819

53, 5.866, 277.815

41, 24.635,
282.705

57, 0.097, 95.093

37, 31.229,
284.889

61, 5.927, 95.514

33, 38.024,
287.392

65, 11.629, 94.615

30, 45.032,
290.204

69, 17.205, 93.820

26, 52.230,
293.264

72, 22.661, 93.117

23, 59.500,
296.437

76, 27.999, 92.492

20, 66.601,
299.379

80, 33.222, 91.934

84, 38.334, 91.433

■ 20, 66.724,
299.425

Harmonies

Complementary

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



49, 11.970, 279.203



54, 11.836, 94.286

Rectangle

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



49, 11.970, 279.203



49, 11.970, 329.203



49, 11.970, 99.203



49, 11.970, 149.203

Sweetspot

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



49, 11.969, 279.200



69, 4.400, 277.364



55, 11.195, 176.531



36, 2.943, 277.428



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, 11.969, 279.200



60, 17.955, 279.929



48, 16.204, 300.650



27, 3.397, 277.732



19, 65.260, 299.341



0, 1.562, 276.608

Inverse Universe

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



49, 11.880, 0.781



60, 17.885, 1.345



56, 15.572, 118.040



27, 3.335, 359.618



27, 54.527, 22.960



0, 1.518, 358.842

Previews

White Background



This preview shows how the CIELCh color 49, 11.970, 279.203 looks on a white background.

Color Contrast Check

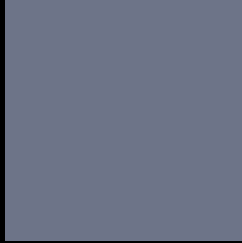
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIELCh color 49, 11.970, 279.203 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

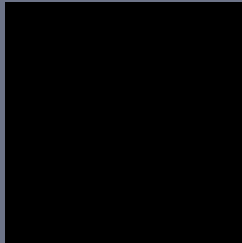
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

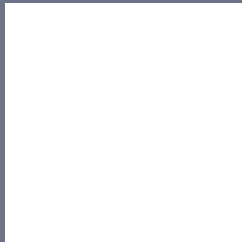
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 49, 11.970, 279.203

Background



This preview shows how black text looks on a background with the CIELCh color 49, 11.970, 279.203.

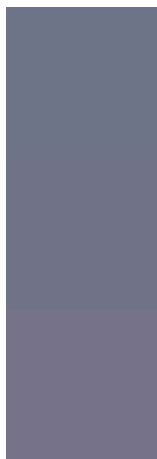


This preview shows how white text looks on a background with the CIELCh color 49, 11.970, 279.203.

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, 11.970, 279.203

Protanopia

49, 12.375, 286.614

Deuteranopia

49, 13.640, 298.266



Tritanopia
49, 6.444, 254.460

Trichromacy



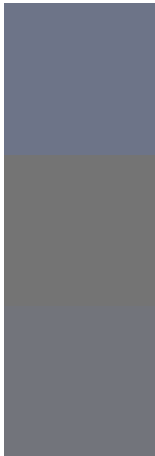
Original Color
49, 11.970, 279.203

Protanomaly
49, 12.407, 284.913

Deuteranomaly
49, 12.932, 291.865

Tritanomaly
49, 8.280, 266.907

Monochromacy



Original Color
49, 11.970, 279.203

Achromatopsia
49, 0.007, 296.813

Achromatomaly
49, 4.176, 279.898

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 11.970, 279.203 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(109, 116, 136)` looks like.

```
.text, #text, p{  
    color:rgb(109, 116, 136)  
}
```

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(109, 116, 136) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 116, 136) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 11.970, 279.203 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(109, 116, 136) }
```

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

```
.border{ border-color:rgb(109, 116, 136) }
```

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

Here you see how a box with a 4 pixel `rgb(109, 116, 136)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(109, 116, 136); -webkit-box-  
shadow:4px 4px 4px 4px rgb(109, 116, 136);  
box-shadow:4px 4px 4px 4px rgb(109, 116,  
136) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 11.970, 279.203 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 116, 136) }
```

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

```
.background{ background-color: rgb(109,  
116, 136) }
```

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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