

Converting Colors

CIELCh(48, 13.810, 279.733)

Have a look what the booklet for
CIELCh(48, 13.810, 279.733)
contains.

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Color

CIELCh(48, 13.789, 279.710)

Conversions

Conversions Part 1

Format	Color
Hex	6A7289
RGB	106, 114, 137
RGB Percent	42%, 45%, 54%
CMY	0.5857, 0.5543, 0.4642
CMYK	0.23, 0.17, 0.00, 0.46
HSL	225°, 13%, 48%
HSV	225°, 23%, 54%
XYZ	16.3698, 16.7945, 25.9099
YIQ	114.2300, -12.1510, 5.4570

Conversions

Conversions Part 2

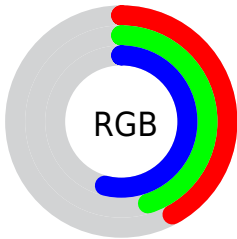
Format	Color
R_{YB}	106, 112, 137
Decimal	6976137
CIE Lab	48.00, 2.33, -13.59
CIE LCh	48, 13.789, 279.710
Yxy	16.7945, 0.2771, 0.2843
Android (android.graphics.Color)	4285166217 (0xFF6A7289)
YUV	114.2300, 11.2256, -7.2177
Hunter-Lab	40.9810, -0.4155, -8.7988

Details

The CIELCh color $48, 13.789, 279.710$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $54, 13.610, 94.016$, and the grayscale version is $48, 0.006, 296.813$.

A 20% lighter version of the original color is $68, 13.445, 279.440$, and $28, 13.825, 280.042$ is the 20% darker color. If you saturate the color by 10%, you get $44, 20.109, 281.399$, and if you desaturate by 10%, it is $52, 7.621, 278.258$.

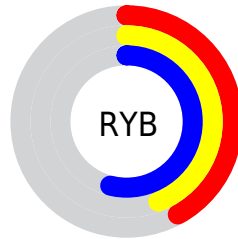
Distribution



Red (42%)

Green (45%)

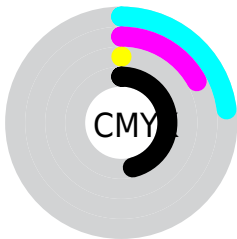
Blue (54%)



Red (42%)

Yellow (44%)

Blue (54%)

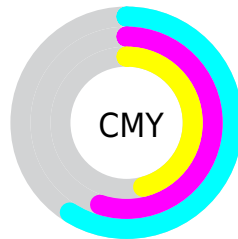


Cyan (23%)

Magenta (17%)

Yellow (0%)

Black (46%)



Cyan (59%)


Magenta (55%)


Yellow (46%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 48, 13.789, 279.710 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 48, 13.789, 279.710 by changing the saturation by 10% instead.


 48, 13.789,
279.710


 48, 13.789,
279.710


 100, 13.789,
279.710


 38, 13.789,
279.710

 68, 13.789,
279.710


 28, 13.789,
279.710

 78, 13.789,
279.710

 18, 13.789,
279.710


 88, 13.789,
279.710

 8, 13.789, 279.710

 98, 13.789,
279.710

 0, 13.789, 279.710

 48, 13.789,

 48, 13.789,

279.710

44, 20.109,
281.399

40, 26.598,
283.366

36, 33.274,
285.639

32, 40.159,
288.232

29, 47.256,
291.123

25, 54.521,
294.230

22, 61.795,
297.395

20, 66.980,
299.481

279.710

52, 7.621, 278.258

56, 1.597, 277.073

60, 4.291, 95.861

64, 10.049, 94.934

68, 15.680, 94.110

71, 21.188, 93.383

75, 26.576, 92.738

79, 31.848, 92.162

83, 37.007, 91.646

Harmonies

Complementary

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



48, 13.789, 279.710



54, 13.610, 94.016

Rectangle

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



48, 13.789, 279.710



48, 13.789, 329.710



48, 13.789, 99.710



48, 13.789, 149.710

Sweetspot

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



48, 13.788, 279.707



69, 5.204, 277.557



54, 12.787, 176.246



36, 3.370, 277.613



87, 0.010, 296.813



38, 0.005, 296.813

Same Dimension

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



48, 13.788, 279.707



60, 20.539, 280.508



46, 18.678, 300.881



27, 3.401, 277.802



19, 65.353, 299.388



0, 1.564, 276.679

Inverse Universe

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



48, 13.694, 1.196



59, 20.464, 1.816



56, 17.840, 117.859



27, 3.333, 359.695



27, 54.556, 23.050



0, 1.517, 358.918

Previews

White Background



This preview shows how the CIE LCh color 48, 13.789, 279.710 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 48, 13.789, 279.710 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

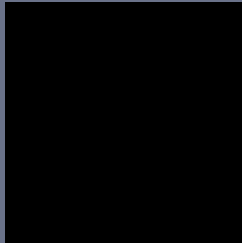
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

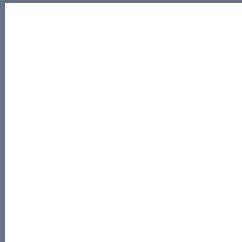
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 48, 13.789, 279.710

Background



This preview shows how black text looks on a background with the CIELCh color 48, 13.789, 279.710.

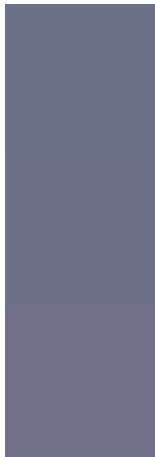


This preview shows how white text looks on a background with the CIELCh color 48, 13.789, 279.710.

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

48, 13.789, 279.710

Protanopia

48, 13.612, 285.739

Deuteranopia

48, 15.399, 294.975



Tritanopia
48, 7.154, 247.097

Trichromacy



Original Color
48, 13.789, 279.710

Protanomaly
48, 13.649, 284.212

Deuteranomaly
48, 14.764, 289.272

Tritanomaly
48, 9.126, 264.336

Monochromacy



Original Color
48, 13.789, 279.710

Achromatopsia
48, 0.006, 296.813

Achromatomaly
48, 4.840, 276.779

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 13.789, 279.710 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(106, 114, 137)` looks like.

```
.text, #text, p{  
    color:rgb(106, 114, 137)  
}
```

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(106, 114, 137) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 114, 137) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 13.789, 279.710 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(106, 114, 137) }
```

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

```
.border{ border-color:rgb(106, 114, 137) }
```

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

Here you see how a box with a 4 pixel `rgb(106, 114, 137)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(106, 114, 137); -webkit-box-  
shadow:4px 4px 4px 4px rgb(106, 114, 137);  
box-shadow:4px 4px 4px 4px rgb(106, 114,  
137) }
```

Background

The CSS property to change the background color of an element to CIELCh 48, 13.789, 279.710 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(106, 114, 137) }
```

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

```
.background{ background-color: rgb(106,  
114, 137) }
```

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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