

Converting Colors

CIELCh(51, 12.145, 277.793)

Have a look what the booklet for
CIELCh(51, 12.145, 277.793)
contains.

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Color

CIELCh(51, 12.519, 278.178)

Conversions

Conversions Part 1

Format	Color
Hex	71798E
RGB	113, 121, 142
RGB Percent	44%, 47%, 56%
CMY	0.5554, 0.5240, 0.4416
CMYK	0.20, 0.15, 0.00, 0.44
HSL	223°, 11%, 50%
HSV	223°, 20%, 56%
XYZ	18.6551, 19.2686, 28.4821
YIQ	121.0020, -11.5090, 4.8350

Conversions

Conversions Part 2

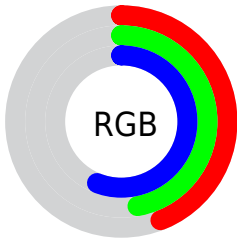
Format	Color
R_{YB}	113, 119, 142
Decimal	7436686
CIE _{Lab}	51.00, 1.78, -12.39
CIE _{LCh}	51, 12.519, 278.178
Yxy	19.2686, 0.2809, 0.2902
Android (android.graphics.Color)	4285626766 (0xFF71798E)
YUV	121.0020, 10.3520, -7.0178
Hunter-Lab	43.8960, -0.9583, -7.7434

Details

The CIELCh color $51, 12.519, 278.178$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $56, 12.415, 93.030$, and the grayscale version is $51, 0.007, 296.813$.

A 20% lighter version of the original color is $71, 12.814, 278.763$, and $31, 12.386, 277.985$ is the 20% darker color. If you saturate the color by 10%, you get $47, 18.869, 279.835$, and if you desaturate by 10%, it is $55, 6.308, 276.755$.

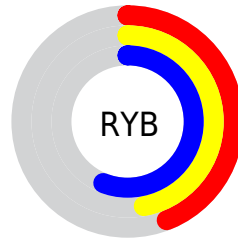
Distribution



Red (44%)

Green (47%)

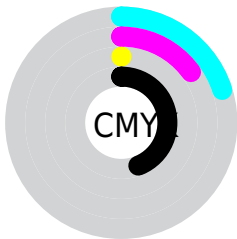
Blue (56%)



Red (44%)

Yellow (47%)

Blue (56%)

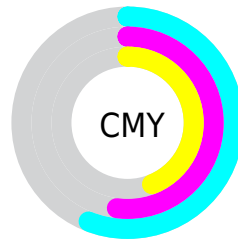


Cyan (20%)

Magenta (15%)

Yellow (0%)

Black (44%)



Cyan (56%)


Magenta (52%)


Yellow (44%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 51, 12.519, 278.178 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 51, 12.519, 278.178 by changing the saturation by 10% instead.


 51, 12.519,
278.178


 51, 12.519,
278.178


 100, 12.519,
278.178


 41, 12.519,
278.178


 71, 12.519,
278.178


 31, 12.519,
278.178

 81, 12.519,
278.178

 21, 12.519,
278.178

 91, 12.519,
278.178

 11, 12.519,
278.178

 1, 12.519, 278.178

 0, 12.519, 278.178

■ 51, 12.519,
278.178

■ 51, 12.519,
278.178

■ 47, 18.869,
279.835

■ 55, 6.308, 276.755

■ 43, 25.375,
281.770

■ 59, 0.232, 276.176

■ 39, 32.052,
284.012

■ 63, 5.717, 94.398

■ 35, 38.925,
286.582

■ 67, 11.542, 93.480

■ 31, 46.007,
289.471

■ 71, 17.245, 92.667

■ 28, 53.283,
292.616

■ 75, 22.830, 91.949

■ 25, 60.648,
295.880

■ 79, 28.299, 91.310

■ 22, 67.617,

■ 83, 33.655, 90.740

■ 86, 38.901, 90.228

298.806

Harmonies

Complementary

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



51, 12.519, 278.178



56, 12.415, 93.030

Rectangle

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



51, 12.519, 278.178



51, 12.519, 328.178



51, 12.519, 98.178



51, 12.519, 148.178

Sweetspot

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



51, 12.518, 278.175



73, 4.523, 276.227



57, 12.043, 175.274



38, 3.025, 276.294



88, 0.010, 296.813



40, 0.006, 296.813

Same Dimension

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



51, 12.518, 278.175



64, 18.432, 278.832



49, 17.261, 300.108



28, 3.437, 276.602



20, 64.781, 298.642



1, 2.302, 275.457

Inverse Universe

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



51, 12.758, 359.664



63, 18.843, 0.164



58, 16.555, 117.324



28, 3.464, 358.438



28, 54.866, 21.642



0, 2.296, 357.654

Previews

White Background



This preview shows how the CIE LCh color 51, 12.519, 278.178 looks on a white 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

Black Background



This preview shows how the CIELCh color 51, 12.519, 278.178 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

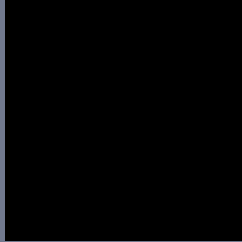
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

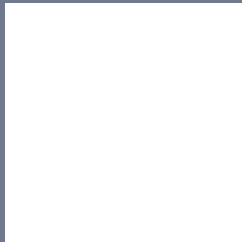
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 51, 12.519, 278.178

Background



This preview shows how black text looks on a background with the CIELCh color 51, 12.519, 278.178.

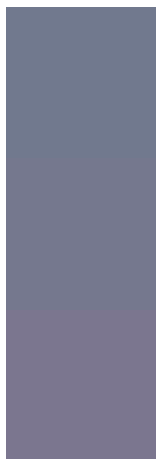


This preview shows how white text looks on a background with the CIELCh color 51, 12.519, 278.178.

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

51, 12.519, 278.178

Protanopia

51, 12.863, 286.864

Deuteranopia

51, 14.763, 299.273



Tritanopia
51, 7.072, 254.874

Trichromacy



Original Color
51, 12.519, 278.178

Protanomaly
51, 12.337, 283.125

Deuteranomaly
51, 14.030, 293.470

Tritanomaly
51, 8.752, 268.533

Monochromacy



Original Color
51, 12.519, 278.178

Achromatopsia
51, 0.007, 296.813

Achromatomaly
51, 4.790, 276.725

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 51, 12.519, 278.178 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(113, 121, 142)` looks like.

```
.text, #text, p{  
    color:rgb(113, 121, 142)  
}
```

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(113, 121, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(113, 121, 142) }
```

Border

The CSS property to change the border of an element to CIELCh 51, 12.519, 278.178 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(113, 121, 142) }
```

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

```
.border{ border-color:rgb(113, 121, 142) }
```

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

Here you see how a box with a 4 pixel `rgb(113, 121, 142)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(113, 121, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(113, 121, 142);  
box-shadow:4px 4px 4px 4px rgb(113, 121,  
142) }
```

Background

The CSS property to change the background color of an element to CIELCh 51, 12.519, 278.178 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(113, 121, 142) }
```

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

```
.background{ background-color: rgb(113,  
121, 142) }
```

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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