

Converting Colors

CIELCh(51, 12.360, 268.884)

Have a look what the booklet for
CIELCh(51, 12.360, 268.884)
contains.

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Color

CIELCh(51, 12.449, 269.333)

Conversions

Conversions Part 1

Format	Color
Hex	6D7A8E
RGB	109, 122, 142
RGB Percent	43%, 48%, 56%
CMY	0.5709, 0.5199, 0.4414
CMYK	0.23, 0.14, 0.00, 0.44
HSL	216°, 13%, 49%
HSV	216°, 23%, 56%
XYZ	18.2867, 19.2686, 28.5199
YIQ	120.3930, -14.1680, 3.4640

Conversions

Conversions Part 2

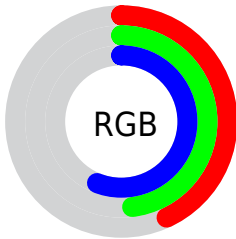
Format	Color
R _Y B	109, 118, 142
Decimal	7174798
CIE Lab	51.00, -0.14, -12.45
CIE LCh	51, 12.449, 269.333
Yxy	19.2686, 0.2768, 0.2916
Android (android.graphics.Color)	4285364878 (0xFF6D7A8E)
YUV	120.3930, 10.6523, -9.9917
Hunter-Lab	43.8960, -2.4566, -7.7944

Details

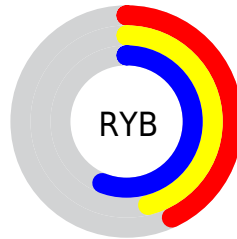
The CIELCh color $51, 12.449, 269.333$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $55, 12.735, 83.056$, and the grayscale version is $51, 0.007, 296.813$.

A 20% lighter version of the original color is $71, 12.734, 270.496$, and $31, 12.775, 271.564$ is the 20% darker color. If you saturate the color by 10%, you get $47, 17.877, 271.177$, and if you desaturate by 10%, it is $55, 7.054, 267.757$.

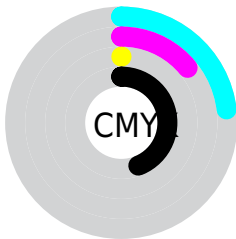
Distribution



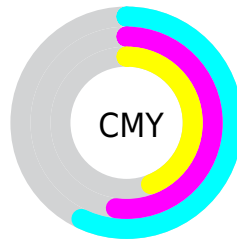
- Red (43%)
- Green (48%)
- Blue (56%)



- Red (43%)
- Yellow (46%)
- Blue (56%)



- Cyan (23%)
- Magenta (14%)
- Yellow (0%)
- Black (44%)





- Cyan (57%)
- Magenta (52%)
- Yellow (44%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 51, 12.449, 269.333 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, 12.449, 269.333 by changing the saturation by 10% instead.


 51, 12.449,
269.333


 51, 12.449,
269.333


 100, 12.449,
269.333


 41, 12.449,
269.333


 71, 12.449,
269.333

 31, 12.449,
269.333

 81, 12.449,
269.333

 21, 12.449,
269.333

 91, 12.449,
269.333

 11, 12.449,
269.333

 1, 12.449, 269.333

 0, 12.449, 269.333

■ 51, 12.449,
269.333

■ 51, 12.449,
269.333

■ 47, 17.877,
271.177

■ 55, 7.054, 267.757

■ 44, 23.342,
273.339

■ 58, 1.699, 266.495

■ 41, 28.852,
275.858

■ 62, 3.612, 85.128

■ 37, 34.426,
278.762

■ 65, 8.872, 84.145

■ 34, 40.098,
282.052

■ 69, 14.075, 83.264

■ 31, 45.902,
285.674

■ 72, 19.217, 82.485

■ 28, 51.854,
289.504

■ 76, 24.294, 81.794

■ 26, 56.005,

■ 79, 29.303, 81.178

■ 83, 34.241, 80.625

291.968

Harmonies

Complementary

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



51, 12.449, 269.333



55, 12.735, 83.056

Rectangle

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



51, 12.449, 269.333



51, 12.449, 319.333



51, 12.449, 89.333



51, 12.449, 139.333

Sweetspot

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



51, 12.448, 269.329



72, 4.654, 266.939



56, 14.803, 167.309



38, 3.048, 267.002



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, 12.448, 269.329



63, 18.741, 270.295



48, 19.598, 296.256



28, 3.025, 267.202



25, 53.630, 291.763



1, 2.038, 265.980

Inverse Universe

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



50, 15.421, 351.998



62, 23.306, 352.627



58, 18.611, 112.274



28, 3.692, 350.546



28, 52.835, 10.778



1, 2.459, 349.789

Previews

White Background



This preview shows how the CIELCh color 51, 12.449, 269.333 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, 12.449, 269.333 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

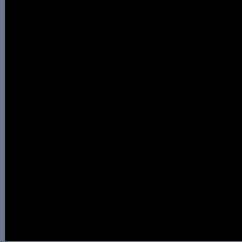
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

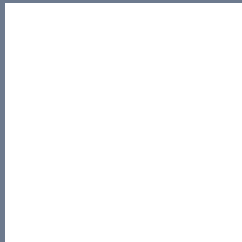
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 51, 12.449, 269.333

Background



This preview shows how black text looks on a background with the CIELCh color 51, 12.449, 269.333.



This preview shows how white text looks on a background with the CIELCh color 51, 12.449, 269.333.

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

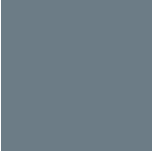
51, 12.449, 269.333

Protanopia

51, 12.283, 286.539

Deuteranopia

51, 14.717, 297.829



Tritanopia
51, 8.226, 244.267

Trichromacy



Original Color
51, 12.449, 269.333

Protanomaly
51, 12.449, 279.804

Deuteranomaly
51, 13.442, 287.166

Tritanomaly
51, 9.539, 258.261

Monochromacy



Original Color
51, 12.449, 269.333

Achromatopsia
51, 0.007, 296.813

Achromatomaly
51, 4.482, 265.111

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 51, 12.449, 269.333 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, 122, 142)` looks like.

```
.text, #text, p{  
    color:rgb(109, 122, 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(109, 122, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 122, 142) }
```

Border

The CSS property to change the border of an element to CIELCh 51, 12.449, 269.333 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, 122, 142) }
```

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

```
.border{ border-color:rgb(109, 122, 142) }
```

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

Here you see how a box with a 4 pixel `rgb(109, 122, 142)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(109, 122, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(109, 122, 142);  
box-shadow:4px 4px 4px 4px rgb(109, 122,  
142) }
```

Background

The CSS property to change the background color of an element to CIELCh 51, 12.449, 269.333 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 122, 142) }
```

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

```
.background{ background-color: rgb(109,  
122, 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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