

Converting Colors

CIELCh(51, 12.244, 152.570)

Have a look what the booklet for
CIELCh(51, 12.244, 152.570)
contains.

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Color

CIELCh(51, 12.196, 152.582)

Conversions

Conversions Part 1

Format	Color
Hex	6A7F70
RGB	106, 127, 112
RGB Percent	42%, 50%, 44%
CMY	0.5859, 0.5036, 0.5624
CMYK	0.17, 0.00, 0.12, 0.50
HSL	137°, 9%, 46%
HSV	137°, 17%, 50%
XYZ	16.3308, 19.2686, 18.0667
YIQ	119.0110, -7.7010, -9.1170

Conversions

Conversions Part 2

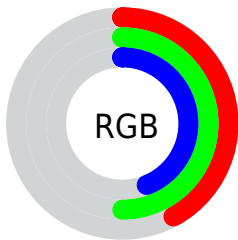
Format	Color
RYB	106, 122, 127
Decimal	6979440
CIELab	51.00, -10.83, 5.62
CIELCh	51, 12.196, 152.582
Yxy	19.2686, 0.3043, 0.3590
Android (android.graphics.Color)	4285169520 (0xFF6A7F70)
YUV	119.0110, -3.4564, -11.4106
Hunter-Lab	43.8960, -10.4099, 6.3247

Details

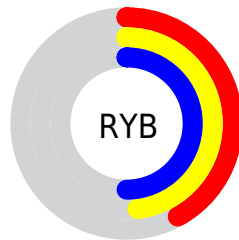
The CIELCh color $51, 12.196, 152.582$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $47, 12.275, 334.788$, and the grayscale version is $50, 0.007, 296.813$.

A 20% lighter version of the original color is $71, 12.345, 153.577$, and $31, 12.526, 152.508$ is the 20% darker color. If you saturate the color by 10%, you get $50, 19.566, 151.743$, and if you desaturate by 10%, it is $52, 4.819, 153.338$.

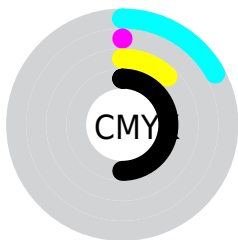
Distribution



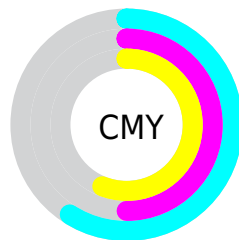
- Red (42%)
- Green (50%)
- Blue (44%)



- Red (42%)
- Yellow (48%)
- Blue (50%)



- Cyan (17%)
- Magenta (0%)
- Yellow (12%)
- Black (50%)





- Cyan (59%)
- Magenta (50%)
- Yellow (56%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 51, 12.196, 152.582 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, 12.196, 152.582 by changing the saturation by 10% instead.


 51, 12.196,
152.582


 51, 12.196,
152.582


 100, 12.196,
152.582


 41, 12.196,
152.582


 71, 12.196,
152.582

 31, 12.196,
152.582

 81, 12.196,
152.582

 21, 12.196,
152.582

 91, 12.196,
152.582

 11, 12.196,
152.582

 1, 12.196, 152.582

 0, 12.196, 152.582

■ 51, 12.196,
152.582

■ 51, 12.196,
152.582

■ 50, 19.566,
151.743

■ 52, 4.819, 153.338

■ 49, 26.828,
150.788

■ 53, 2.492, 333.831

■ 55, 9.680, 334.468

■ 48, 33.869,
149.694

■ 56, 16.704,
334.982

■ 47, 40.561,
148.444

■ 58, 23.538,
335.437

■ 47, 46.771,
147.026

■ 60, 30.168,
335.846

■ 46, 52.372,
145.441

■ 61, 36.586,
336.216

■ 46, 57.263,
143.710

■ 63, 42.794,
336.554

■ 46, 61.421,

141.932

■ 65, 48.794,
336.864

■ 46, 62.738,
141.398

Harmonies

Complementary

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



51, 12.196, 152.582



47, 12.275, 334.788

Rectangle

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



51, 12.196, 152.582



51, 12.196, 202.582



51, 12.196, 332.582



51, 12.196, 22.582

Sweetspot

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



51, 12.197, 152.581



67, 4.558, 153.451



52, 12.364, 120.237



35, 3.135, 153.404



85, 0.010, 296.813



36, 0.005, 296.813

Same Dimension

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



51, 12.197, 152.581



65, 18.352, 152.267



51, 8.612, 180.574



26, 4.157, 153.150



46, 63.090, 141.383



0, 0.000, 0.000

Inverse Universe

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



47, 12.275, 334.788



59, 18.488, 335.063



47, 9.147, 3.530



25, 4.176, 334.269



28, 56.053, 343.222



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 51, 12.196, 152.582 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, 12.196, 152.582 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

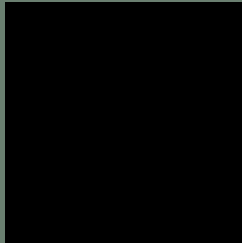
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

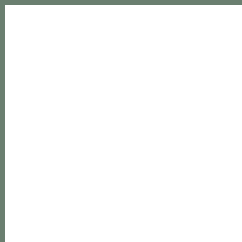
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 51, 12.196, 152.582

Background



This preview shows how black text looks on a background with the CIELCh color 51, 12.196, 152.582.

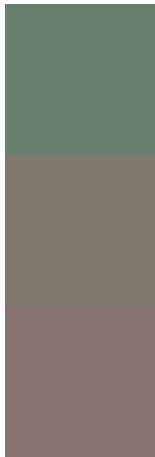


This preview shows how white text looks on a background with the CIELCh color 51, 12.196, 152.582.

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

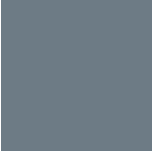
51, 12.196, 152.582

Protanopia

51, 7.265, 92.534

Deuteranopia

51, 8.125, 32.550



Tritanopia
51, 7.744, 248.113

Trichromacy



Original Color
51, 12.196, 152.582

Protanomaly
51, 7.730, 121.527

Deuteranomaly
51, 4.552, 82.663

Tritanomaly
51, 6.184, 204.244

Monochromacy



Original Color
51, 12.196, 152.582

Achromatopsia
50, 0.007, 296.813

Achromatomaly
50, 4.781, 151.972

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 51, 12.196, 152.582 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, 127, 112)` looks like.

```
.text, #text, p{  
    color:rgb(106, 127, 112)  
}
```

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, 127, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 127, 112) }
```

Border

The CSS property to change the border of an element to CIELCh 51, 12.196, 152.582 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, 127, 112) }
```

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

```
.border{ border-color:rgb(106, 127, 112) }
```

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

Here you see how a box with a 4 pixel `rgb(106, 127, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(106, 127, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(106, 127, 112);  
box-shadow:4px 4px 4px 4px rgb(106, 127,  
112) }
```

Background

The CSS property to change the background color of an element to CIELCh 51, 12.196, 152.582 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(106, 127, 112) }
```

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

```
.background{ background-color: rgb(106,  
127, 112) }
```

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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