

Converting Colors

CIELCh(51, 10.389, 173.542)

Have a look what the booklet for
CIELCh(51, 10.389, 173.542)
contains.

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Color

CIELCh(51, 10.527, 172.005)

Conversions

Conversions Part 1

Format	Color
Hex	677F77
RGB	103, 127, 119
RGB Percent	40%, 50%, 47%
CMY	0.5975, 0.5034, 0.5348
CMYK	0.19, 0.00, 0.06, 0.50
HSL	160°, 10%, 45%
HSV	160°, 19%, 50%
XYZ	16.4017, 19.2686, 20.1925
YIQ	118.9120, -11.7360, -7.5760

Conversions

Conversions Part 2

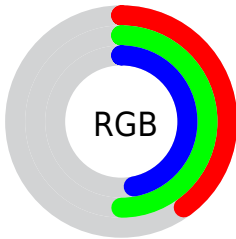
Format	Color
R_{YB}	103, 117, 127
Decimal	6782839
CIE _{Lab}	51.00, -10.42, 1.46
CIE _{LCh}	51, 10.527, 172.005
Yxy	19.2686, 0.2936, 0.3449
Android (android.graphics.Color)	4284972919 (0xFF677F77)
YUV	118.9120, 0.0434, -13.9548
Hunter-Lab	43.8960, -10.1218, 3.4533

Details

The CIELCh color $51, 10.527, 172.005$ is a dark color, and the websafe version is hex 669999 . A complement of this color would be $46, 11.028, 355.479$, and the grayscale version is $50, 0.007, 296.813$.

A 20% lighter version of the original color is $71, 10.825, 171.552$, and $31, 10.659, 173.071$ is the 20% darker color. If you saturate the color by 10%, you get $50, 15.900, 170.977$, and if you desaturate by 10%, it is $52, 5.006, 172.973$.

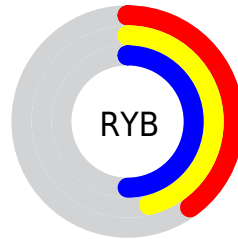
Distribution



Red (40%)

Green (50%)

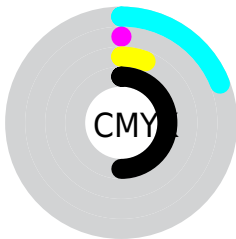
Blue (47%)



Red (40%)

Yellow (46%)

Blue (50%)

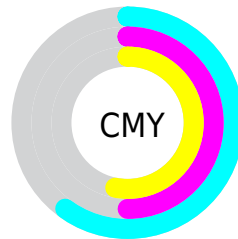


Cyan (19%)

Magenta (0%)

Yellow (6%)

Black (50%)



Cyan (60%)


Magenta (50%)


Yellow (53%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 51, 10.527, 172.005 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, 10.527, 172.005 by changing the saturation by 10% instead.


 51, 10.527,
172.005


 51, 10.527,
172.005


 100, 10.527,
172.005


 41, 10.527,
172.005


 71, 10.527,
172.005

 31, 10.527,
172.005

 81, 10.527,
172.005

 21, 10.527,
172.005

 91, 10.527,
172.005

 11, 10.527,
172.005

 1, 10.527, 172.005

 0, 10.527, 172.005

■ 51, 10.527,
172.005

■ 51, 10.527,
172.005

■ 50, 15.900,
170.977

■ 52, 5.006, 172.973

■ 49, 21.042,
169.865

■ 53, 0.596, 353.221

■ 49, 25.866,
168.644

■ 54, 6.218, 354.545

■ 48, 30.287,
167.292

■ 56, 11.813,
355.343

■ 47, 34.232,
165.787

■ 57, 17.345,
356.084

■ 47, 37.649,
164.107

■ 59, 22.788,
356.786

■ 47, 40.522,
162.239

■ 60, 28.124,
357.455

■ 47, 43.006,

■ 62, 33.343,
358.095

160.282

■ 64, 38.438,
358.709

■ 47, 43.268,
160.087

Harmonies

Complementary

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



51, 10.527, 172.005



46, 11.028, 355.479

Rectangle

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



51, 10.527, 172.005



51, 10.527, 222.005



51, 10.527, 352.005



51, 10.527, 42.005

Sweetspot

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



51, 10.528, 172.001



67, 4.188, 173.254



51, 15.418, 133.869



35, 2.799, 173.201



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, 10.528, 172.001



65, 15.853, 171.538



50, 7.863, 216.065



26, 3.171, 172.958



47, 43.493, 160.071



0, 0.000, 0.000

Inverse Universe

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



46, 11.028, 355.479



57, 16.801, 356.000



47, 8.876, 35.670



25, 3.244, 354.448



26, 51.324, 16.113



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 51, 10.527, 172.005 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, 10.527, 172.005 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

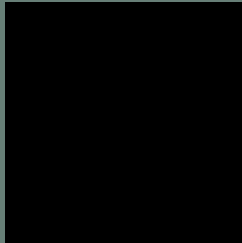
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 51, 10.527, 172.005

Background



This preview shows how black text looks on a background with the CIELCh color 51, 10.527, 172.005.

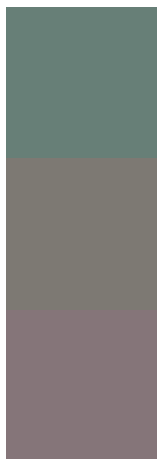


This preview shows how white text looks on a background with the CIELCh color 51, 10.527, 172.005.

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

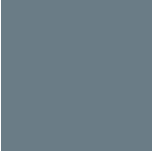
51, 10.527, 172.005

Protanopia

51, 3.839, 84.400

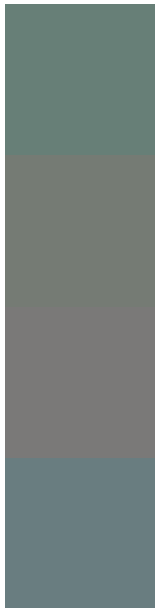
Deuteranopia

51, 6.926, 0.588



Tritanopia
51, 8.743, 240.906

Trichromacy



Original Color
51, 10.527, 172.005

Protanomaly
51, 4.758, 140.265

Deuteranomaly
51, 0.699, 74.865

Tritanomaly
51, 7.737, 211.801

Monochromacy



Original Color
51, 10.527, 172.005

Achromatopsia
50, 0.007, 296.813

Achromatomaly
50, 4.006, 173.131

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 51, 10.527, 172.005 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(103, 127, 119)` looks like.

```
.text, #text, p{  
    color:rgb(103, 127, 119)  
}
```

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(103, 127, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 127, 119) }
```

Border

The CSS property to change the border of an element to CIELCh 51, 10.527, 172.005 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(103, 127, 119) }
```

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

```
.border{ border-color:rgb(103, 127, 119) }
```

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

Here you see how a box with a 4 pixel `rgb(103, 127, 119)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 127, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 127, 119);  
box-shadow:4px 4px 4px 4px rgb(103, 127,  
119) }
```

Background

The CSS property to change the background color of an element to CIELCh 51, 10.527, 172.005 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 127, 119) }
```

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

```
.background{ background-color: rgb(103,  
127, 119) }
```

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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