

Converting Colors

CIELCh(51, 4.965, 163.068)

Have a look what the booklet for
CIELCh(51, 4.965, 163.068) contains.

CIELCh(51, 4.965, 163.068)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(51, 4.965, 163.068)

Conversions

Conversions Part 1

Format	Color
Hex	727C77
RGB	114, 124, 119
RGB Percent	45%, 49%, 47%
CMY	0.5536, 0.5144, 0.5340
CMYK	0.08, 0.00, 0.04, 0.51
HSL	150°, 4%, 47%
HSV	150°, 8%, 49%
XYZ	17.4254, 19.2686, 20.2022
YIQ	120.4400, -4.3550, -3.6750

Conversions

Conversions Part 2

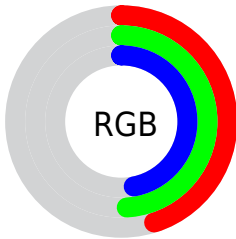
Format	Color
R_{YB}	114, 121, 124
Decimal	7502967
CIE Lab	51.00, -4.75, 1.45
CIE LCh	51, 4.965, 163.068
Yxy	19.2686, 0.3063, 0.3387
Android (android.graphics.Color)	4285693047 (0xFF727C77)
YUV	120.4400, -0.7099, -5.6479
Hunter-Lab	43.8960, -5.9590, 3.4403

Details

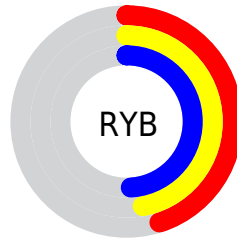
The CIELCh color $51, 4.965, 163.068$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $49, 5.021, 344.230$, and the grayscale version is $51, 0.007, 296.813$.

A 20% lighter version of the original color is $71, 5.286, 160.862$, and $31, 4.690, 165.859$ is the 20% darker color. If you saturate the color by 10%, you get $50, 11.116, 162.166$, and if you desaturate by 10%, it is $52, 1.187, 343.550$.

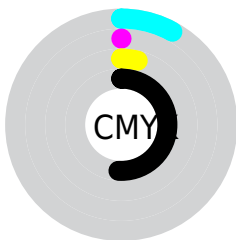
Distribution



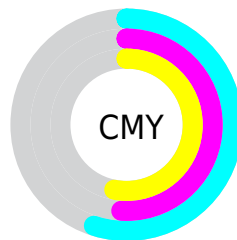
- Red (45%)
- Green (49%)
- Blue (47%)



- Red (45%)
- Yellow (47%)
- Blue (49%)



- Cyan (8%)
- Magenta (0%)
- Yellow (4%)
- Black (51%)



- Cyan (55%)
- Magenta (51%)
- Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 51, 4.965, 163.068 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, 4.965, 163.068 by changing the saturation by 10% instead.

■ 51, 4.965, 163.068

■ 51, 4.965, 163.068

■ 100, 4.965,
163.068

■ 41, 4.965, 163.068

■ 71, 4.965, 163.068

■ 31, 4.965, 163.068

■ 81, 4.965, 163.068

■ 21, 4.965, 163.068

■ 91, 4.965, 163.068

■ 11, 4.965, 163.068

■ 1, 4.965, 163.068

■ 0, 4.965, 163.068

■ 51, 4.965, 163.068

■ 51, 4.965, 163.068

■ 50, 11.116,
162.166

■ 52, 1.187, 343.550

■ 53, 7.289, 344.469

■ 49, 17.192,
161.198

■ 55, 13.297,
345.149

■ 48, 23.113,
160.122

■ 56, 19.183,
345.769

■ 47, 28.785,
158.915

■ 58, 24.925,
346.345

■ 47, 34.112,
157.554

■ 59, 30.513,
346.883

■ 46, 39.003,
156.019

■ 61, 35.940,
347.390

■ 46, 43.387,
154.293

■ 63, 41.206,
347.868

■ 46, 47.225,
152.371

■ 65, 46.312,
348.321

■ 45, 50.618,
150.358

Harmonies

Complementary

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



51, 4.965, 163.068



49, 5.021, 344.230

Rectangle

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



51, 4.965, 163.068



51, 4.965, 213.068



51, 4.965, 343.068



51, 4.965, 33.068

Sweetspot

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



51, 4.966, 163.063



66, 1.516, 163.714



51, 6.140, 128.153



35, 0.868, 163.744



84, 0.010, 296.813



35, 0.005, 296.813

Same Dimension

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



51, 4.966, 163.063



65, 7.613, 162.871



51, 3.922, 197.659



25, 3.432, 162.975



46, 51.616, 149.975



88, 89.258, 148.661

Inverse Universe

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



49, 5.021, 344.230



62, 7.713, 344.422



49, 4.111, 18.438



24, 3.473, 344.318



26, 50.114, 0.448



54, 83.990, 2.910

Previews

White Background



This preview shows how the CIELCh color 51, 4.965, 163.068 looks on a white background.

Color Contrast Check

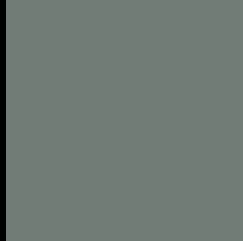
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIE LCh color 51, 4.965, 163.068 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

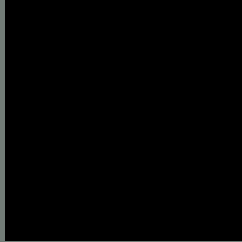
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

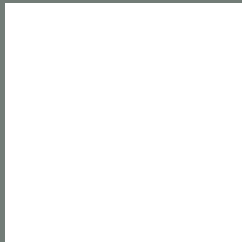
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 51, 4.965, 163.068

Background



This preview shows how black text looks on a background with the CIELCh color 51, 4.965, 163.068.



This preview shows how white text looks on a background with the CIELCh color 51, 4.965, 163.068.

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, 4.965, 163.068

Protanopia

51, 2.613, 81.976

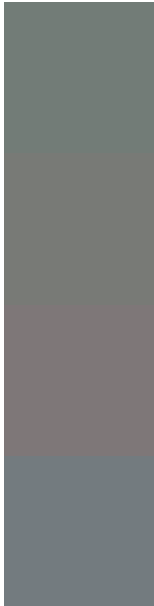
Deuteranopia

51, 6.769, 5.250



Tritanopia
51, 6.218, 269.258

Trichromacy



Original Color

51, 4.965, 163.068

Protanomaly

51, 2.465, 128.967

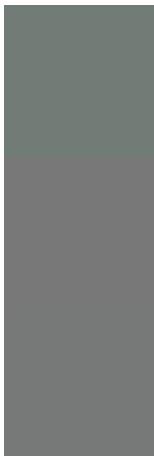
Deuteranomaly

51, 2.899, 8.034

Tritanomaly

51, 3.847, 236.589

Monochromacy



Original Color

51, 4.965, 163.068

Achromatopsia

50, 0.007, 296.813

Achromatomaly

51, 1.337, 173.720

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 51, 4.965, 163.068 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(114, 124, 119)` looks like.

```
.text, #text, p{  
    color:rgb(114, 124, 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(114, 124, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(114, 124, 119) }
```

Border

The CSS property to change the border of an element to CIELCh 51, 4.965, 163.068 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(114, 124, 119) }
```

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

```
.border{ border-color:rgb(114, 124, 119) }
```

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

Here you see how a box with a 4 pixel `rgb(114, 124, 119)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(114, 124, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(114, 124, 119);  
box-shadow:4px 4px 4px 4px rgb(114, 124,  
119) }
```

Background

The CSS property to change the background color of an element to CIELCh 51, 4.965, 163.068 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(114, 124, 119) }
```

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

```
.background{ background-color: rgb(114,  
124, 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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