

Converting Colors

CIELCh(51, 2.800, 202.163)

Have a look what the booklet for
CIELCh(51, 2.800, 202.163) contains.

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Color

CIELCh(51, 2.760, 199.245)

Conversions

Conversions Part 1

Format	Color
Hex	747B7B
RGB	116, 123, 123
RGB Percent	45%, 48%, 48%
CMY	0.5456, 0.5181, 0.5181
CMYK	0.06, 0.00, 0.00, 0.52
HSL	180°, 3%, 47%
HSV	180°, 6%, 48%
XYZ	17.8230, 19.2686, 21.4798
YIQ	120.9070, -4.1720, -1.4840

Conversions

Conversions Part 2

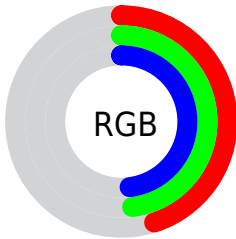
Format	Color
R_{YB}	116, 120, 123
Decimal	7633787
CIE _{Lab}	51.00, -2.61, -0.91
CIE _{LCh}	51, 2.760, 199.245
Yxy	19.2686, 0.3043, 0.3290
Android (android.graphics.Color)	4285823867 (0xFF747B7B)
YUV	120.9070, 1.0318, -4.3034
Hunter-Lab	43.8960, -4.3423, 1.7146

Details

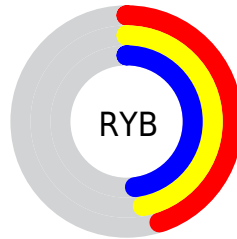
The CIELCh color **51, 2.760, 199.245** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **49, 2.857, 19.579**, and the grayscale version is **51, 0.007, 296.813**.

A 20% lighter version of the original color is **71, 2.597, 199.379**, and **31, 2.574, 199.112** is the 20% darker color. If you saturate the color by 10%, you get **50, 7.421, 198.630**, and if you desaturate by 10%, it is **52, 2.130, 19.434**.

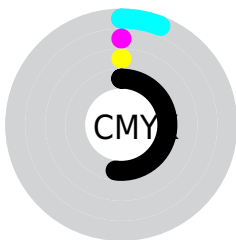
Distribution



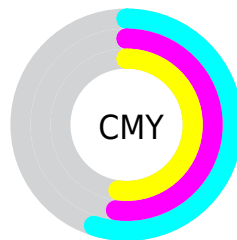
- Red (45%)
- Green (48%)
- Blue (48%)



- Red (45%)
- Yellow (47%)
- Blue (48%)



- Cyan (6%)
- Magenta (0%)
- Yellow (0%)
- Black (52%)



- Cyan (55%)
- Magenta (52%)
- Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 51, 2.760, 199.245 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, 2.760, 199.245 by changing the saturation by 10% instead.

■ 51, 2.760, 199.245

■ 51, 2.760, 199.245

■ 100, 2.760,
199.245

■ 41, 2.760, 199.245

■ 71, 2.760, 199.245

■ 31, 2.760, 199.245

■ 81, 2.760, 199.245

■ 21, 2.760, 199.245

■ 91, 2.760, 199.245

■ 11, 2.760, 199.245

■ 1, 2.760, 199.245

■ 0, 2.760, 199.245

■ 51, 2.760, 199.245

■ 51, 2.760, 199.245

■ 50, 7.421, 198.630

■ 52, 2.130, 19.434

■ 49, 11.783,

■ 53, 7.188, 20.122

198.147

54, 12.362, 20.724

49, 15.773,
197.721

56, 17.606, 21.324

48, 19.321,
197.350

57, 22.885, 21.928

47, 22.363,
197.037

58, 28.169, 22.532

47, 24.848,
196.785

62, 38.675, 23.728

47, 26.751,
196.592

63, 43.868, 24.313

47, 28.072,
196.459

46, 28.888,
196.376

Harmonies

Complementary

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



51, 2.760, 199.245



49, 2.857, 19.579

Rectangle

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



51, 2.760, 199.245



51, 2.760, 249.245



51, 2.760, 19.245



51, 2.760, 69.245

Sweetspot

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



51, 2.761, 199.220



66, 1.216, 199.658



51, 4.954, 143.732



35, 0.697, 199.696



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, 2.761, 199.220



65, 4.210, 199.115



50, 2.421, 254.374



25, 2.169, 199.110



47, 29.551, 196.344



90, 49.745, 196.341

Inverse Universe

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



49, 2.857, 19.579



63, 4.395, 19.700



50, 2.449, 72.836



24, 2.265, 19.706



25, 60.067, 38.162



53, 103.770, 39.992

Previews

White Background



This preview shows how the CIELCh color 51, 2.760, 199.245 looks on a white background.

Color Contrast Check

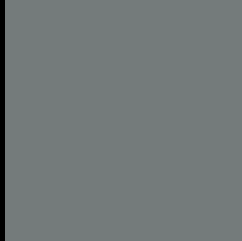
Large Text (above 18pt) WCAG AA ✓ Pass

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, 2.760, 199.245 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

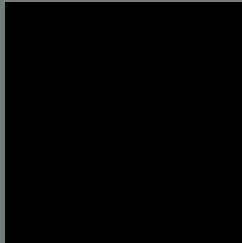
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 51, 2.760, 199.245

Background



This preview shows how black text looks on a background with the CIELCh color 51, 2.760, 199.245.



This preview shows how white text looks on a background with the CIELCh color 51, 2.760, 199.245.

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, 2.760, 199.245

Protanopia

51, 1.000, 343.494

Deuteranopia

51, 6.656, 348.554



Tritanopia
51, 5.549, 270.574

Trichromacy



Original Color

51, 2.760, 199.245

Protanomaly

51, 0.796, 199.800

Deuteranomaly

51, 3.366, 335.910

Tritanomaly

51, 3.969, 261.324

Monochromacy



Original Color

51, 2.760, 199.245

Achromatopsia

51, 0.007, 296.813

Achromatomaly

51, 1.193, 199.597

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 51, 2.760, 199.245 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(116, 123, 123)` looks like.

```
.text, #text, p{  
    color:rgb(116, 123, 123)  
}
```

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(116, 123, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 123, 123) }
```

Border

The CSS property to change the border of an element to CIELCh 51, 2.760, 199.245 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(116, 123, 123) }
```

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

```
.border{ border-color:rgb(116, 123, 123) }
```

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

Here you see how a box with a 4 pixel `rgb(116, 123, 123)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(116, 123, 123); -webkit-box-shadow:4px 4px 4px 4px rgb(116, 123, 123); box-shadow:4px 4px 4px 4px rgb(116, 123, 123) }
```

Background

The CSS property to change the background color of an element to CIELCh 51, 2.760, 199.245 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 123, 123) }
```

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

```
.background{ background-color: rgb(116,  
123, 123) }
```

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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