

Converting Colors

CIELCh(51, 2.831, 229.357)

Have a look what the booklet for
CIELCh(51, 2.831, 229.357) contains.

CIELCh(51, 2.960, 222.469)	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, 2.960, 222.469)

Conversions

Conversions Part 1

Format	Color
Hex	747B7D
RGB	116, 123, 125
RGB Percent	45%, 48%, 49%
CMY	0.5461, 0.5187, 0.5109
CMYK	0.07, 0.02, 0.00, 0.51
HSL	193°, 4%, 47%
HSV	193°, 7%, 49%
XYZ	17.9020, 19.2686, 22.0881
YIQ	121.1350, -4.8140, -0.8620

Conversions

Conversions Part 2

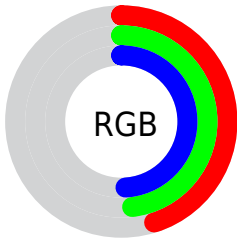
Format	Color
R_{YB}	116, 120, 125
Decimal	7633789
CIE Lab	51.00, -2.18, -2.00
CIE LCh	51, 2.960, 222.469
Yxy	19.2686, 0.3021, 0.3252
Android (android.graphics.Color)	4285823869 (0xFF747B7D)
YUV	121.1350, 1.9054, -4.5034
Hunter-Lab	43.8960, -4.0210, 0.8930

Details

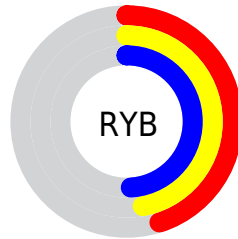
The CIELCh color **51, 2.960, 222.469** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **50, 3.084, 41.728**, and the grayscale version is **51, 0.007, 296.813**.

A 20% lighter version of the original color is **71, 3.033, 232.105**, and **31, 2.824, 226.005** is the 20% darker color. If you saturate the color by 10%, you get **49, 6.892, 222.850**, and if you desaturate by 10%, it is **53, 1.165, 41.646**.

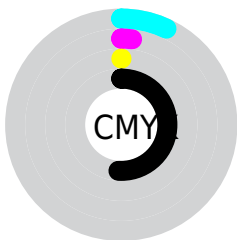
Distribution



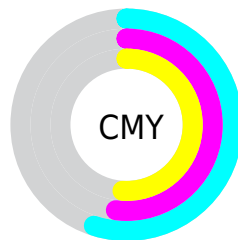
- Red (45%)
- Green (48%)
- Blue (49%)



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



- Cyan (7%)
- Magenta (2%)
- Yellow (0%)
- Black (51%)



- Cyan (55%)
- Magenta (52%)
- Yellow (51%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 51, 2.960, 222.469 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, 2.960, 222.469 by changing the saturation by 10% instead.

■ 51, 2.960, 222.469

■ 51, 2.960, 222.469

■ 100, 2.960,
222.469

■ 41, 2.960, 222.469

■ 71, 2.960, 222.469

■ 31, 2.960, 222.469

■ 81, 2.960, 222.469

■ 21, 2.960, 222.469

■ 91, 2.960, 222.469

■ 11, 2.960, 222.469

■ 1, 2.960, 222.469

■ 0, 2.960, 222.469

■ 51, 2.960, 222.469

■ 51, 2.960, 222.469

■ 49, 6.892, 222.850

■ 53, 1.165, 41.646

■ 48, 10.581,

■ 55, 5.440, 41.669

223.487

57, 9.828, 41.552

46, 13.973,
224.358

59, 14.297, 41.482

44, 17.012,
225.509

61, 18.822, 41.457

43, 19.646,
227.006

63, 23.382, 41.469

42, 21.836,
228.922

65, 27.961, 41.509

40, 23.566,
231.337

67, 32.546, 41.571

39, 24.853,
234.323

38, 25.820,
237.806

Harmonies

Complementary

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



51, 2.960, 222.469



50, 3.084, 41.728

Rectangle

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



51, 2.960, 222.469



51, 2.960, 272.469



51, 2.960, 42.469



51, 2.960, 92.469

Sweetspot

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



51, 2.960, 222.442



67, 1.036, 222.568



51, 5.489, 150.711



34, 0.586, 222.598



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, 2.960, 222.442



65, 4.581, 222.499



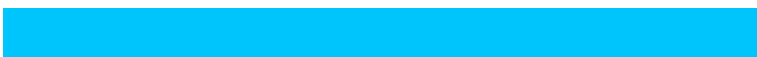
50, 3.890, 275.815



25, 2.267, 222.493



38, 26.128, 238.769



74, 44.369, 241.249

Inverse Universe

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



50, 5.487, 331.704



63, 8.542, 331.836



51, 3.871, 94.053



24, 4.224, 331.825



27, 57.712, 339.068



57, 96.338, 339.800

Previews

White Background



This preview shows how the CIELCh color 51, 2.960, 222.469 looks on a white background.

Color Contrast Check

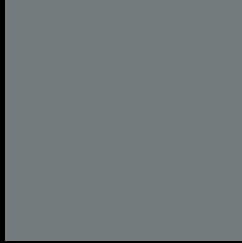
Large Text (above 18pt) WCAG AA ✓ Pass

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, 2.960, 222.469 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

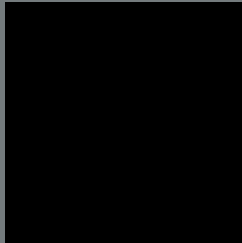
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

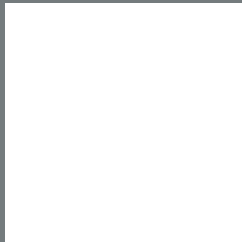
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 51, 2.960, 222.469

Background



This preview shows how black text looks on a background with the CIELCh color 51, 2.960, 222.469.



This preview shows how white text looks on a background with the CIELCh color 51, 2.960, 222.469.

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, 2.960, 222.469

Protanopia

51, 1.935, 314.702

Deuteranopia

51, 7.012, 338.595



Tritanopia
51, 5.549, 270.574

Trichromacy



Original Color

51, 2.960, 222.469

Protanomaly

51, 1.402, 255.982

Deuteranomaly

51, 4.047, 319.967

Tritanomaly

51, 4.482, 265.111

Monochromacy



Original Color

51, 2.960, 222.469

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, 2.960, 222.469 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, 125)` looks like.

```
.text, #text, p{  
    color:rgb(116, 123, 125)  
}
```

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, 125) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 123, 125) }
```

Border

The CSS property to change the border of an element to CIELCh 51, 2.960, 222.469 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, 125) }
```

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

```
.border{ border-color:rgb(116, 123, 125) }
```

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, 125)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 123, 125); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 123, 125);  
box-shadow:4px 4px 4px 4px rgb(116, 123,  
125) }
```

Background

The CSS property to change the background color of an element to CIELCh 51, 2.960, 222.469 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, 125) }
```

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

```
.background{ background-color: rgb(116,  
123, 125) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor