

Converting Colors

CIELCh(51, 6.587, 4.612)

Have a look what the booklet for
CIELCh(51, 6.587, 4.612) contains.

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Color

CIELCh(51, 6.360, 4.222)

Conversions

Conversions Part 1

Format	Color
Hex	857679
RGB	133, 118, 121
RGB Percent	52%, 46%, 47%
CMY	0.4791, 0.5379, 0.5261
CMYK	0.00, 0.11, 0.09, 0.48
HSL	348°, 6%, 49%
HSV	348°, 11%, 52%
XYZ	19.5476, 19.2686, 20.7262
YIQ	122.8270, 7.9770, 4.1130

Conversions

Conversions Part 2

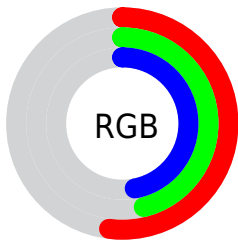
Format	Color
R_{YB}	133, 118, 121
Decimal	8746617
CIE Lab	51.00, 6.34, 0.47
CIE LCh	51, 6.360, 4.222
Yxy	19.2686, 0.3283, 0.3236
Android (android.graphics.Color)	4286936697 (0xFF857679)
YUV	122.8270, -0.9007, 8.9217
Hunter-Lab	43.8960, 2.6710, 2.7326

Details

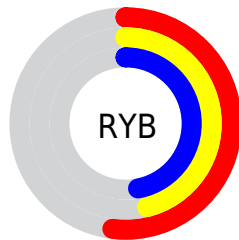
The CIELCh color $51, 6.360, 4.222$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $54, 6.091, 182.350$, and the grayscale version is $51, 0.007, 296.813$.

A 20% lighter version of the original color is $71, 6.312, 4.919$, and $31, 6.108, 2.297$ is the 20% darker color. If you saturate the color by 10%, you get $47, 12.289, 5.336$, and if you desaturate by 10%, it is $55, 0.709, 2.839$.

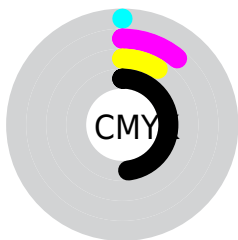
Distribution



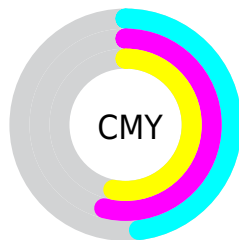
- Red (52%)
- Green (46%)
- Blue (47%)



- Red (52%)
- Yellow (46%)
- Blue (47%)



- Cyan (0%)
- Magenta (11%)
- Yellow (9%)
- Black (48%)



- Cyan (48%)
- Magenta (54%)
- Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 51, 6.360, 4.222 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, 6.360, 4.222 by changing the saturation by 10% instead.

51, 6.360, 4.222

51, 6.360, 4.222

100, 6.360, 4.222

41, 6.360, 4.222

71, 6.360, 4.222

31, 6.360, 4.222

81, 6.360, 4.222

21, 6.360, 4.222

91, 6.360, 4.222

11, 6.360, 4.222

1, 6.360, 4.222

0, 6.360, 4.222

51, 6.360, 4.222

51, 6.360, 4.222

47, 12.289, 5.336

55, 0.709, 2.839

43, 18.462, 6.627

59, 4.649, 182.655

40, 24.796, 8.184

63, 9.722, 181.912

37, 31.155, 10.098

67, 14.527,
181.277

34, 37.345, 12.488

71, 19.084,
180.713

31, 43.136, 15.492

29, 48.317, 19.236

75, 23.418,
180.206

28, 52.786, 23.761

79, 27.550,
179.744

27, 56.479, 27.806

83, 31.501,
179.323

87, 35.289,
178.935

Harmonies

Complementary

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



51, 6.360, 4.222



54, 6.091, 182.350

Rectangle

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



51, 6.360, 4.222



51, 6.360, 54.222



51, 6.360, 184.222



51, 6.360, 234.222

Sweetspot

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



51, 6.359, 4.231



69, 2.059, 3.303



51, 9.973, 319.276



36, 1.557, 3.411



86, 0.010, 296.813



37, 0.005, 296.813

Same Dimension

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



51, 6.359, 4.231



64, 9.880, 4.552



52, 5.033, 50.782



26, 3.155, 4.006



26, 55.564, 27.680



0, 0.739, 3.256

Inverse Universe

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



51, 6.359, 4.231



64, 9.880, 4.552



53, 4.744, 232.468



26, 3.155, 4.006



26, 55.564, 27.680



0, 0.739, 3.256

Previews

White Background



This preview shows how the CIELCh color 51, 6.360, 4.222 looks on a white background.

Color Contrast Check

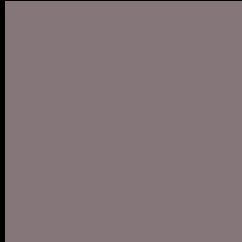
Large Text (above 18pt) WCAG AA ✓ Pass

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, 6.360, 4.222 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

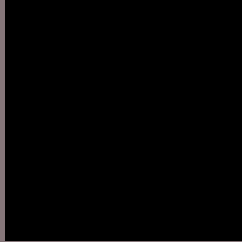
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 51, 6.360, 4.222

Background



This preview shows how black text looks on a background with the CIELCh color 51, 6.360, 4.222.



This preview shows how white text looks on a background with the CIELCh color 51, 6.360, 4.222.

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, 6.360, 4.222

Protanopia

51, 1.426, 324.401

Deuteranopia

51, 6.360, 4.222



Tritanopia
51, 8.628, 343.073

Trichromacy



Original Color

51, 6.360, 4.222

Protanomaly

51, 3.063, 357.337

Deuteranomaly

51, 6.360, 4.222

Tritanomaly

51, 8.001, 349.776

Monochromacy



Original Color

51, 6.360, 4.222

Achromatopsia

52, 0.007, 296.813

Achromatomaly

51, 2.494, 6.077

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 51, 6.360, 4.222 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(133, 118, 121)` looks like.

```
.text, #text, p{  
    color:rgb(133, 118, 121)  
}
```

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(133, 118, 121) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 118, 121) }
```

Border

The CSS property to change the border of an element to CIELCh 51, 6.360, 4.222 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(133, 118, 121) }
```

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

```
.border{ border-color:rgb(133, 118, 121) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 118, 121)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 118, 121); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 118, 121);  
box-shadow:4px 4px 4px 4px rgb(133, 118,  
121) }
```

Background

The CSS property to change the background color of an element to CIELCh 51, 6.360, 4.222 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 118, 121) }
```

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

```
.background{ background-color: rgb(133,  
118, 121) }
```

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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