

Converting Colors

CIELCh(51, 1.089, 111.310)

Have a look what the booklet for
CIELCh(51, 1.089, 111.310) contains.

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Color

CIELCh(51, 1.156, 109.990)

Conversions

Conversions Part 1

Format	Color
Hex	7A7A78
RGB	122, 122, 120
RGB Percent	48%, 48%, 47%
CMY	0.5232, 0.5232, 0.5311
CMYK	0.00, 0.00, 0.02, 0.52
HSL	60°, 1%, 47%
HSV	60°, 2%, 48%
XYZ	18.2392, 19.2686, 20.3939
YIQ	121.7720, 0.6420, -0.6220

Conversions

Conversions Part 2

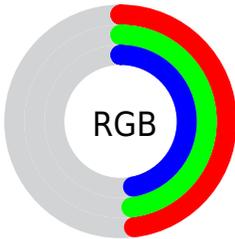
Format	Color
R_{YB}	120, 122, 120
Decimal	8026744
CIE _{Lab}	51.00, -0.40, 1.09
CIE _{LCh}	51, 1.156, 109.990
Yxy	19.2686, 0.3150, 0.3328
Android (android.graphics.Color)	4286216824 (0xFF7A7A78)
YUV	121.7720, -0.8736, 0.2000
Hunter-Lab	43.8960, -2.6498, 3.1814

Details

The CIELCh color $51, 1.156, 109.990$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $50, 1.174, 290.412$, and the grayscale version is $51, 0.007, 296.813$.

A 20% lighter version of the original color is $71, 1.081, 110.017$, and $31, 0.631, 110.012$ is the 20% darker color. If you saturate the color by 10%, you get $51, 8.216, 109.150$, and if you desaturate by 10%, it is $51, 5.918, 290.980$.

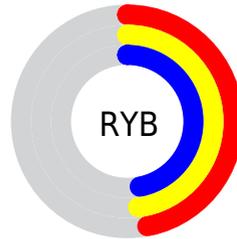
Distribution



Red (48%)

Green (48%)

Blue (47%)



Red (47%)

Yellow (48%)

Blue (47%)

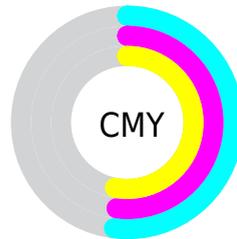


Cyan (0%)

Magenta (0%)

Yellow (2%)

Black (52%)



Cyan (52%)

Magenta (52%)

Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 51, 1.156, 109.990 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, 1.156, 109.990 by changing the saturation by 10% instead.

■ 51, 1.156, 109.990

■ 51, 1.156, 109.990

100, 1.156,
109.990

■ 41, 1.156, 109.990

■ 71, 1.156, 109.990

■ 31, 1.156, 109.990

■ 81, 1.156, 109.990

■ 21, 1.156, 109.990

■ 91, 1.156, 109.990

■ 11, 1.156, 109.990

■ 1, 1.156, 109.990

■ 0, 1.156, 109.990

■ 51, 1.156, 109.990

■ 51, 1.156, 109.990

■ 51, 8.216, 109.150

■ 51, 5.918, 290.980

■ 50, 15.227,

■ 52, 12.988,

108.227

291.850

■ 50, 22.140,
107.307

■ 52, 20.037,
292.690

■ 50, 28.881,
106.408

■ 53, 27.054,
293.496

■ 50, 35.338,
105.552

■ 53, 34.028,
294.263

■ 50, 41.341,
104.766

■ 54, 40.955,
294.990

■ 50, 46.654,
104.083

■ 54, 47.826,
295.677

■ 49, 50.978,
103.538

■ 55, 54.638,
296.324

■ 49, 54.021,
103.163

■ 56, 61.385,
296.931

Harmonies

Complementary

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



51, 1.156, 109.990



50, 1.174, 290.412

Rectangle

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



51, 1.156, 109.990



51, 1.156, 159.990



51, 1.156, 289.990



51, 1.156, 339.990

Sweetspot

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



51, 1.157, 110.035



65, 0.008, 296.813



50, 0.806, 19.026



34, 0.005, 296.813



83, 0.010, 296.813

Same Dimension

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



51, 1.157, 110.035



65, 1.746, 110.006



51, 1.230, 129.068



26, 0.797, 110.023



51, 57.133, 102.920



96, 96.175, 102.924

Inverse Universe

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



50, 1.174, 290.412



64, 1.769, 290.442



50, 1.246, 309.071



25, 0.808, 290.424



12, 78.883, 306.293



32, 132.795, 306.289

Previews

White Background



This preview shows how the CIELCh color 51, 1.156, 109.990 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, 1.156, 109.990 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

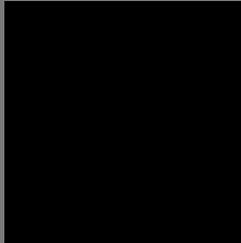
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

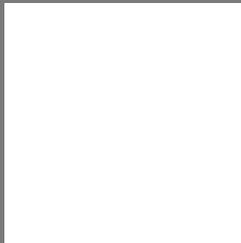
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 51, 1.156, 109.990

Background



This preview shows how black text looks on a background with the CIELCh color 51, 1.156, 109.990.



This preview shows how white text looks on a background with the CIELCh color 51, 1.156, 109.990.

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, 1.156, 109.990

Protanopia

51, 1.669, 63.318

Deuteranopia

51, 6.769, 5.250



Tritanopia
51, 5.971, 302.229

Trichromacy



Original Color

51, 1.156, 109.990

Protanomaly

51, 1.405, 74.862

Deuteranomaly

51, 4.111, 11.668

Tritanomaly

51, 2.951, 298.251

Monochromacy



Original Color

51, 1.156, 109.990

Achromatopsia

51, 0.007, 296.813

Achromatomaly

51, 0.576, 110.026

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 51, 1.156, 109.990 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(122, 122, 120)` looks like.

```
.text, #text, p{  
    color:rgb(122, 122, 120)  
}
```

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(122, 122, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 122, 120) }
```

Border

The CSS property to change the border of an element to CIELCh 51, 1.156, 109.990 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(122, 122, 120) }
```

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

```
.border{ border-color:rgb(122, 122, 120) }
```

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

Here you see how a box with a 4 pixel `rgb(122, 122, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 122, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 122, 120);  
box-shadow:4px 4px 4px 4px rgb(122, 122,  
120) }
```

Background

The CSS property to change the background color of an element to CIELCh 51, 1.156, 109.990 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 122, 120) }
```

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

```
.background{ background-color: rgb(122,  
122, 120) }
```

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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