

Converting Colors

CIELCh(51, 3.755, 30.006)

Have a look what the booklet for
CIELCh(51, 3.755, 30.006) contains.

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Color

CIELCh(51, 3.853, 37.200)

Conversions

Conversions Part 1

Format	Color
Hex	817876
RGB	129, 120, 118
RGB Percent	51%, 47%, 46%
CMY	0.4957, 0.5310, 0.5388
CMYK	0.00, 0.07, 0.09, 0.50
HSL	11°, 4%, 48%
HSV	11°, 9%, 50%
XYZ	18.9043, 19.2686, 19.7364
YIQ	122.4630, 6.0060, 1.2860

Conversions

Conversions Part 2

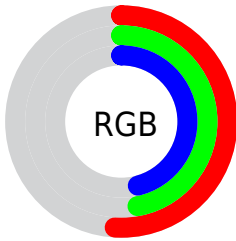
Format	Color
R_{YB}	129, 120, 118
Decimal	8484982
CIE _{Lab}	51.00, 3.07, 2.33
CIE _{LCh}	51, 3.853, 37.200
Yxy	19.2686, 0.3264, 0.3327
Android (android.graphics.Color)	4286675062 (0xFF817876)
YUV	122.4630, -2.2003, 5.7329
Hunter-Lab	43.8960, 0.0551, 4.0694

Details

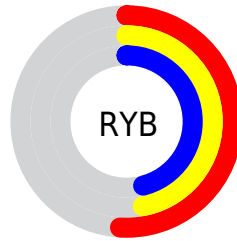
The CIELCh color $51, 3.853, 37.200$ is a dark color, and the websafe version is hex `666666`. A complement of this color would be $52, 3.660, 217.679$, and the grayscale version is $51, 0.007, 296.813$.

A 20% lighter version of the original color is $71, 3.958, 35.527$, and $31, 3.817, 39.201$ is the 20% darker color. If you saturate the color by 10%, you get $48, 8.699, 37.262$, and if you desaturate by 10%, it is $54, 0.631, 218.066$.

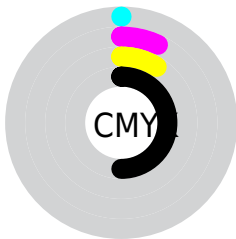
Distribution



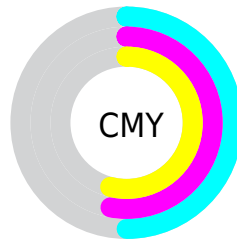
- Red (51%)
- Green (47%)
- Blue (46%)



- Red (51%)
- Yellow (47%)
- Blue (46%)



- Cyan (0%)
- Magenta (7%)
- Yellow (9%)
- Black (50%)



- Cyan (50%)
- Magenta (53%)
- Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 51, 3.853, 37.200 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, 3.853, 37.200 by changing the saturation by 10% instead.

■ 51, 3.853, 37.200 ■ 51, 3.853, 37.200

■ 100, 3.853, 37.200 ■ 41, 3.853, 37.200

■ 71, 3.853, 37.200 ■ 31, 3.853, 37.200

■ 81, 3.853, 37.200 ■ 21, 3.853, 37.200

■ 91, 3.853, 37.200 ■ 11, 3.853, 37.200

■ 1, 3.853, 37.200

■ 0, 3.853, 37.200

■ 51, 3.853, 37.200 ■ 51, 3.853, 37.200

■ 48, 8.699, 37.262 ■ 54, 0.631, 218.066

■ 45, 13.939, 37.382 ■ 58, 4.785, 217.705

42, 19.593, 37.650

61, 8.647, 217.902

39, 25.664, 38.110

64, 12.248,
218.160

36, 32.122, 38.795

68, 15.620,
218.450

33, 38.885, 39.722

31, 45.768, 40.842

71, 18.791,
218.758

29, 52.379, 41.956

74, 21.786,
219.078

28, 57.928, 42.652

78, 24.625,
219.404

81, 27.327,
219.731

Harmonies

Complementary

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



51, 3.853, 37.200



52, 3.660, 217.679

Rectangle

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



51, 3.853, 37.200



51, 3.853, 87.200



51, 3.853, 217.200



51, 3.853, 267.200

Sweetspot

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



51, 3.852, 37.224



68, 1.648, 37.086



51, 6.941, 329.856



35, 1.247, 37.135



85, 0.010, 296.813



36, 0.005, 296.813

Same Dimension

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



51, 3.852, 37.224



65, 5.653, 37.231



52, 4.478, 90.071



25, 2.528, 37.226



27, 58.243, 42.754



0, 0.000, 0.000

Inverse Universe

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



52, 3.660, 217.679



67, 5.312, 217.702



51, 4.480, 272.225



26, 2.393, 217.685



40, 26.075, 230.415



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 51, 3.853, 37.200 looks on a white background.

Color Contrast Check

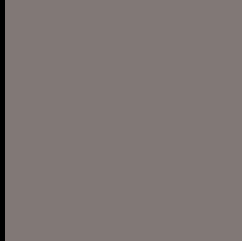
Large Text (above 18pt) WCAG AA ✓ Pass

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, 3.853, 37.200 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

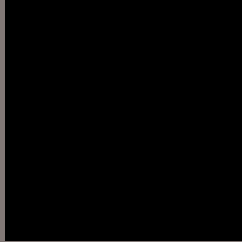
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 51, 3.853, 37.200

Background



This preview shows how black text looks on a background with the CIELCh color 51, 3.853, 37.200.



This preview shows how white text looks on a background with the CIELCh color 51, 3.853, 37.200.

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, 3.853, 37.200

Protanopia

51, 2.114, 74.738

Deuteranopia

51, 7.019, 15.432



Tritanopia
51, 7.131, 332.883

Trichromacy



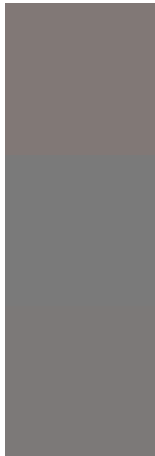
Original Color
51, 3.853, 37.200

Protanomaly
51, 2.697, 45.015

Deuteranomaly
51, 5.747, 19.992

Tritanomaly
51, 4.983, 344.209

Monochromacy



Original Color
51, 3.853, 37.200

Achromatopsia
51, 0.007, 296.813

Achromatomaly
51, 1.336, 45.004

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 51, 3.853, 37.200 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(129, 120, 118)` looks like.

```
.text, #text, p{  
    color:rgb(129, 120, 118)  
}
```

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(129, 120, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 120, 118) }
```

Border

The CSS property to change the border of an element to CIELCh 51, 3.853, 37.200 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(129, 120, 118) }
```

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

```
.border{ border-color:rgb(129, 120, 118) }
```

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

Here you see how a box with a 4 pixel rgb(129, 120, 118) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 120, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 120, 118);  
box-shadow:4px 4px 4px 4px rgb(129, 120,  
118) }
```

Background

The CSS property to change the background color of an element to CIELCh 51, 3.853, 37.200 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 120, 118) }
```

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

```
.background{ background-color: rgb(129,  
120, 118) }
```

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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