

Converting Colors

CIELCh(51, 3.640, 16.251)

Have a look what the booklet for
CIELCh(51, 3.640, 16.251) contains.

CIELCh(51, 3.704, 10.708)	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, 3.704, 10.708)

Conversions

Conversions Part 1

Format	Color
Hex	807778
RGB	128, 119, 120
RGB Percent	50%, 47%, 47%
CMY	0.4965, 0.5318, 0.5279
CMYK	0.00, 0.07, 0.06, 0.50
HSL	353°, 4%, 49%
HSV	353°, 7%, 50%
XYZ	19.0154, 19.2686, 20.6075
YIQ	121.8050, 5.0430, 2.2190

Conversions

Conversions Part 2

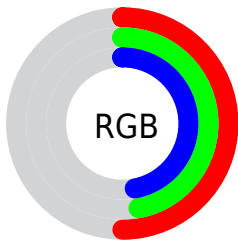
Format	Color
R_{YB}	128, 119, 120
Decimal	8419192
CIE _{Lab}	51.00, 3.64, 0.69
CIE _{LCh}	51, 3.704, 10.708
Yxy	19.2686, 0.3229, 0.3272
Android (android.graphics.Color)	4286609272 (0xFF807778)
YUV	121.8050, -0.8899, 5.4330
Hunter-Lab	43.8960, 0.5067, 2.8929

Details

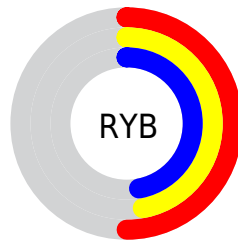
The CIELCh color $51, 3.704, 10.708$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $53, 3.580, 189.846$, and the grayscale version is $51, 0.007, 296.813$.

A 20% lighter version of the original color is $71, 3.838, 11.462$, and $31, 3.622, 9.851$ is the 20% darker color. If you saturate the color by 10%, you get $47, 9.264, 11.714$, and if you desaturate by 10%, it is $55, 1.526, 190.306$.

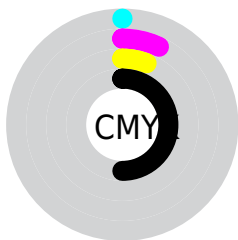
Distribution



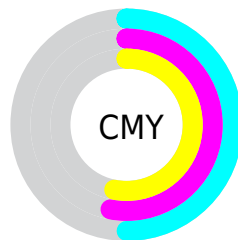
- Red (50%)
- Green (47%)
- Blue (47%)



- Red (50%)
- Yellow (47%)
- Blue (47%)



- Cyan (0%)
- Magenta (7%)
- Yellow (6%)
- Black (50%)



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

Brightness & Saturation Gradients

These gradients show how the CIELCh color 51, 3.704, 10.708 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, 3.704, 10.708 by changing the saturation by 10% instead.

■ 51, 3.704, 10.708 ■ 51, 3.704, 10.708

■ 100, 3.704, 10.708 ■ 41, 3.704, 10.708

■ 71, 3.704, 10.708 ■ 31, 3.704, 10.708

■ 81, 3.704, 10.708 ■ 21, 3.704, 10.708

■ 91, 3.704, 10.708 ■ 11, 3.704, 10.708

■ 1, 3.704, 10.708

■ 0, 3.704, 10.708

■ 51, 3.704, 10.708 ■ 51, 3.704, 10.708

■ 47, 9.264, 11.714 ■ 55, 1.526, 190.306

■ 43, 15.148, 12.852 ■ 59, 6.434, 189.452

40, 21.317, 14.239

63, 11.042,
188.857

36, 27.685, 15.964

67, 15.377,
188.350

33, 34.114, 18.134

31, 40.418, 20.869

71, 19.465,
187.906

29, 46.389, 24.270

75, 23.334,
187.512

27, 51.847, 28.337

26, 56.759, 32.649

79, 27.008,
187.159

83, 30.509,
186.840

87, 33.856,
186.550

Harmonies

Complementary

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



51, 3.704, 10.708



53, 3.580, 189.846

Rectangle

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



51, 3.704, 10.708



51, 3.704, 60.708



51, 3.704, 190.708



51, 3.704, 240.708

Sweetspot

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



51, 3.703, 10.726



67, 1.283, 10.066



51, 6.151, 321.536



35, 0.735, 10.028



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, 3.703, 10.726



64, 5.225, 10.841



52, 3.003, 61.110



25, 2.978, 10.929



26, 57.863, 33.618



0, 0.000, 0.000

Inverse Universe

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



51, 3.703, 10.726



64, 5.225, 10.841



52, 2.924, 242.677



25, 2.978, 10.929



26, 57.863, 33.618



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 51, 3.704, 10.708 looks on a white background.

Color Contrast Check

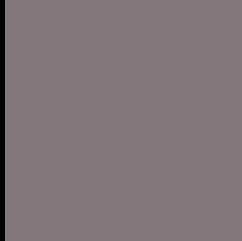
Large Text (above 18pt) WCAG AA ✓ Pass

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, 3.704, 10.708 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

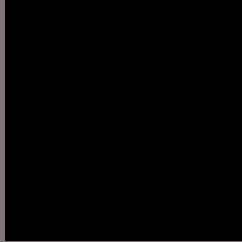
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 51, 3.704, 10.708

Background



This preview shows how black text looks on a background with the CIELCh color 51, 3.704, 10.708.



This preview shows how white text looks on a background with the CIELCh color 51, 3.704, 10.708.

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

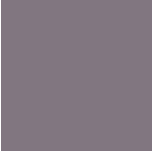
51, 3.704, 10.708

Protanopia

51, 1.208, 19.223

Deuteranopia

51, 6.360, 4.222



Tritanopia
51, 7.321, 327.440

Trichromacy



Original Color
51, 3.704, 10.708

Protanomaly
51, 2.497, 6.081

Deuteranomaly
51, 5.019, 6.553

Tritanomaly
51, 5.340, 339.141

Monochromacy



Original Color
51, 3.704, 10.708

Achromatopsia
51, 0.007, 296.813

Achromatomaly
51, 1.208, 19.223

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 51, 3.704, 10.708 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(128, 119, 120)` looks like.

```
.text, #text, p{  
    color:rgb(128, 119, 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(128, 119, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 119, 120) }
```

Border

The CSS property to change the border of an element to CIELCh 51, 3.704, 10.708 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(128, 119, 120) }
```

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

```
.border{ border-color:rgb(128, 119, 120) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 119, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 119, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 119, 120);  
box-shadow:4px 4px 4px 4px rgb(128, 119,  
120) }
```

Background

The CSS property to change the background color of an element to CIELCh 51, 3.704, 10.708 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 119, 120) }
```

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

```
.background{ background-color: rgb(128,  
119, 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](#).

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