

Converting Colors

CIELCh(51, 0.816, 269.106)

Have a look what the booklet for
CIELCh(51, 0.816, 269.106) contains.

CIELCh(51, 0.705, 255.971)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	19
<i>Color Blindness Simulation</i>	22
<i>CSS Examples</i>	25

Color

CIELCh(51, 0.705, 255.971)

Conversions

Conversions Part 1

Format	Color
Hex	797A7B
RGB	121, 122, 123
RGB Percent	47%, 48%, 48%
CMY	0.5272, 0.5232, 0.5193
CMYK	0.02, 0.01, 0.00, 0.52
HSL	210°, 1%, 48%
HSV	210°, 2%, 48%
XYZ	18.2817, 19.2686, 21.3551
YIQ	121.8150, -0.9170, 0.0990

Conversions

Conversions Part 2

Format	Color
R_{YB}	121, 122, 123
Decimal	7961211
CIE Lab	51.00, -0.17, -0.68
CIE LCh	51, 0.705, 255.971
Yxy	19.2686, 0.3104, 0.3271
Android (android.graphics.Color)	4286151291 (0xFF797A7B)
YUV	121.8150, 0.5842, -0.7148
Hunter-Lab	43.8960, -2.4767, 1.8830

Details

The CIELCh color $51, 0.705, 255.971$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $51, 0.697, 74.748$, and the grayscale version is $51, 0.007, 296.813$.

A 20% lighter version of the original color is $71, 0.663, 256.056$, and $31, 0.641, 290.343$ is the 20% darker color. If you saturate the color by 10%, you get $48, 4.975, 256.820$, and if you desaturate by 10%, it is $54, 3.593, 74.326$.

Distribution



Red (47%)

Green (48%)

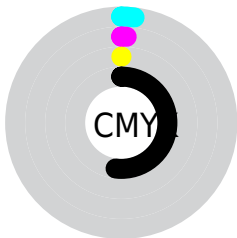
Blue (48%)



Red (47%)

Yellow (48%)

Blue (48%)

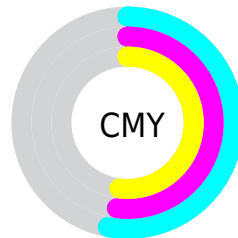


Cyan (2%)

Magenta (1%)

Yellow (0%)

Black (52%)



Cyan (53%)

Magenta (52%)

Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 51, 0.705, 255.971 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, 0.705, 255.971 by changing the saturation by 10% instead.

■ 51, 0.705, 255.971

■ 51, 0.705, 255.971

100, 0.705,
255.971

■ 41, 0.705, 255.971

■ 71, 0.705, 255.971

■ 31, 0.705, 255.971

■ 81, 0.705, 255.971

■ 21, 0.705, 255.971

■ 91, 0.705, 255.971

■ 11, 0.705, 255.971

■ 1, 0.705, 255.971

■ 0, 0.705, 255.971

■ 51, 0.705, 255.971

■ 51, 0.705, 255.971

■ 48, 4.975, 256.820

■ 54, 3.593, 74.326

■ 46, 9.202, 258.299

■ 57, 7.903, 73.425

43, 13.371,
260.064

59, 12.214, 72.622

40, 17.468,
262.156

62, 16.514, 71.916

65, 20.797, 71.295

38, 21.485,
264.628

68, 25.053, 70.744

35, 25.426,
267.527

70, 29.279, 70.252

73, 33.469, 69.811

33, 29.310,
270.881

76, 37.621, 69.412

30, 33.178,
274.678

28, 37.085,
278.844

Harmonies

Complementary

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



51, 0.705, 255.971



51, 0.697, 74.748

Rectangle

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



51, 0.705, 255.971



51, 0.705, 305.971



51, 0.705, 75.971



51, 0.705, 125.971

Sweetspot

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



51, 0.704, 255.856



65, 0.008, 296.813



51, 1.001, 162.918



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, 0.704, 255.856



64, 1.062, 255.831



51, 1.152, 289.705



26, 0.486, 255.841



27, 41.113, 282.310



54, 72.908, 284.900

Inverse Universe

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



51, 1.001, 343.437



64, 1.512, 343.527



51, 1.135, 109.317



25, 0.691, 343.480



26, 50.124, 0.359



54, 84.001, 2.814

Previews

White Background



This preview shows how the CIELCh color 51, 0.705, 255.971 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, 0.705, 255.971 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

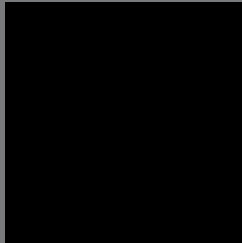
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

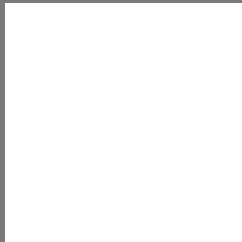
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 51, 0.705, 255.971

Background



This preview shows how black text looks on a background with the CIELCh color 51, 0.705, 255.971.



This preview shows how white text looks on a background with the CIELCh color 51, 0.705, 255.971.

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, 0.705, 255.971

Protanopia

51, 1.000, 343.494

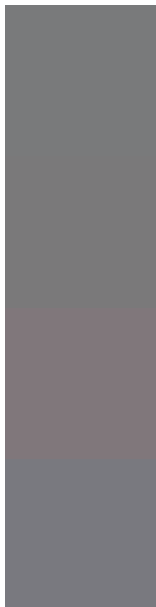
Deuteranopia

51, 6.380, 353.029



Tritanopia
51, 5.902, 298.512

Trichromacy



Original Color

51, 0.705, 255.971

Protanomaly

51, 0.717, 324.235

Deuteranomaly

51, 4.325, 347.272

Tritanomaly

51, 3.502, 290.639

Monochromacy



Original Color

51, 0.705, 255.971

Achromatopsia

51, 0.007, 296.813

Achromatomaly

51, 0.589, 290.329

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 51, 0.705, 255.971 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(121, 122, 123)` looks like.

```
.text, #text, p{  
    color:rgb(121, 122, 123)  
}
```

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(121, 122, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(121, 122, 123) }
```

Border

The CSS property to change the border of an element to CIELCh 51, 0.705, 255.971 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(121, 122, 123) }
```

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

```
.border{ border-color:rgb(121, 122, 123) }
```

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

Here you see how a box with a 4 pixel `rgb(121, 122, 123)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(121, 122, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(121, 122, 123);  
box-shadow:4px 4px 4px 4px rgb(121, 122,  
123) }
```

Background

The CSS property to change the background color of an element to CIELCh 51, 0.705, 255.971 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(121, 122, 123) }
```

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

```
.background{ background-color: rgb(121,  
122, 123) }
```

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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