

Converting Colors

CIELCh(51, 4.870, 233.178)

Have a look what the booklet for
CIELCh(51, 4.870, 233.178) contains.

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Color

CIELCh(51, 4.781, 236.791)

Conversions

Conversions Part 1

Format	Color
Hex	717B80
RGB	113, 123, 128
RGB Percent	44%, 48%, 50%
CMY	0.5565, 0.5173, 0.4976
CMYK	0.12, 0.04, 0.00, 0.50
HSL	200°, 6%, 47%
HSV	200°, 12%, 50%
XYZ	17.8206, 19.2686, 23.2361
YIQ	120.5800, -7.5650, -0.5650

Conversions

Conversions Part 2

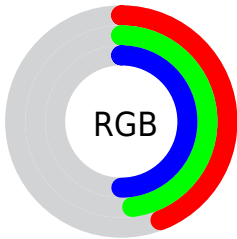
Format	Color
R_{YB}	113, 119, 128
Decimal	7437184
CIE _{Lab}	51.00, -2.62, -4.00
CIE _{LCh}	51, 4.781, 236.791
Yxy	19.2686, 0.2954, 0.3194
Android (android.graphics.Color)	4285627264 (0xFF717B80)
YUV	120.5800, 3.6581, -6.6477
Hunter-Lab	43.8960, -4.3520, -0.6576

Details

The CIELCh color **51, 4.781, 236.791** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **50, 5.059, 54.733**, and the grayscale version is **51, 0.007, 296.813**.

A 20% lighter version of the original color is **71, 4.852, 241.836**, and **31, 4.836, 240.382** is the 20% darker color. If you saturate the color by 10%, you get **49, 8.687, 237.840**, and if you desaturate by 10%, it is **53, 0.713, 236.306**.

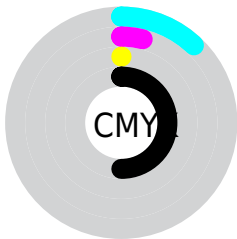
Distribution



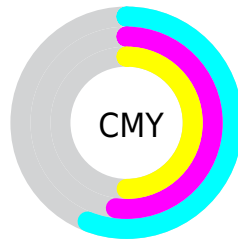
- Red (44%)
- Green (48%)
- Blue (50%)



- Red (44%)
- Yellow (47%)
- Blue (50%)



- Cyan (12%)
- Magenta (4%)
- Yellow (0%)
- Black (50%)



- Cyan (56%)
- Magenta (52%)
- Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 51, 4.781, 236.791 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, 4.781, 236.791 by changing the saturation by 10% instead.

■ 51, 4.781, 236.791

■ 51, 4.781, 236.791

■ 100, 4.781,
236.791

■ 41, 4.781, 236.791

■ 71, 4.781, 236.791

■ 31, 4.781, 236.791

■ 81, 4.781, 236.791

■ 21, 4.781, 236.791

■ 91, 4.781, 236.791

■ 11, 4.781, 236.791

■ 1, 4.781, 236.791

■ 0, 4.781, 236.791

■ 51, 4.781, 236.791

■ 51, 4.781, 236.791

■ 49, 8.687, 237.840

■ 53, 0.713, 236.306

■ 47, 12.393,

■ 56, 3.482, 54.993

239.188

58, 7.771, 54.462

45, 15.859,
240.866

60, 12.129, 53.999

43, 19.046,
242.943

63, 16.535, 53.613

41, 21.929,
245.497

65, 20.970, 53.292

39, 24.500,
248.602

70, 29.872, 52.800

37, 26.784,
252.313

72, 34.318, 52.612

36, 28.844,
256.634

34, 30.543,
260.306

Harmonies

Complementary

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



51, 4.781, 236.791



50, 5.059, 54.733

Rectangle

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



51, 4.781, 236.791



51, 4.781, 286.791



51, 4.781, 56.791



51, 4.781, 106.791

Sweetspot

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



51, 4.781, 236.775



67, 2.045, 236.216



52, 8.486, 154.185



35, 1.463, 236.243



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, 4.781, 236.775



64, 7.021, 237.026



49, 7.257, 282.746



26, 2.303, 236.545



34, 30.432, 260.280



0, 0.000, 0.000

Inverse Universe

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



49, 8.438, 336.429



62, 12.476, 336.620



52, 7.153, 100.113



25, 4.037, 336.237



27, 54.438, 346.614



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 51, 4.781, 236.791 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, 4.781, 236.791 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

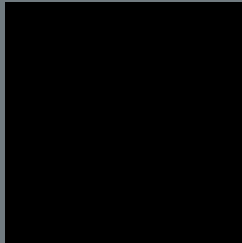
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

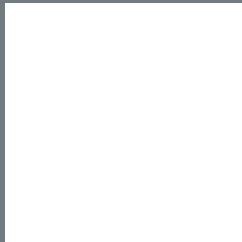
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 51, 4.781, 236.791

Background



This preview shows how black text looks on a background with the CIELCh color 51, 4.781, 236.791.



This preview shows how white text looks on a background with the CIELCh color 51, 4.781, 236.791.

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, 4.781, 236.791

Protanopia

51, 3.529, 297.037

Deuteranopia

51, 7.791, 324.866



Tritanopia
51, 6.516, 263.030

Trichromacy



Original Color
51, 4.781, 236.791

Protanomaly
51, 3.124, 268.491

Deuteranomaly
51, 5.401, 303.410

Tritanomaly
51, 6.014, 260.274

Monochromacy



Original Color
51, 4.781, 236.791

Achromatopsia
51, 0.007, 296.813

Achromatomaly
51, 1.948, 236.261

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 51, 4.781, 236.791 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(113, 123, 128)` looks like.

```
.text, #text, p{  
    color:rgb(113, 123, 128)  
}
```

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(113, 123, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(113, 123, 128) }
```

Border

The CSS property to change the border of an element to CIELCh 51, 4.781, 236.791 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(113, 123, 128) }
```

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

```
.border{ border-color:rgb(113, 123, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(113, 123, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(113, 123, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(113, 123, 128);  
box-shadow:4px 4px 4px 4px rgb(113, 123,  
128) }
```

Background

The CSS property to change the background color of an element to CIELCh 51, 4.781, 236.791 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(113, 123, 128) }
```

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

```
.background{ background-color: rgb(113,  
123, 128) }
```

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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