

Converting Colors

CIELCh(50, 2.815, 291.850)

Have a look what the booklet for
CIELCh(50, 2.815, 291.850) contains.

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Color

CIELCh(50, 2.343, 290.501)

Conversions

Conversions Part 1	
Format	Color
Hex	77777B
RGB	119, 119, 123
RGB Percent	47%, 47%, 48%
CMY	0.5348, 0.5348, 0.5191
CMYK	0.03, 0.03, 0.00, 0.52
HSL	240°, 2%, 47%
HSV	240°, 3%, 48%
XYZ	17.6583, 18.4187, 21.2376
YIQ	119.4560, -1.2840, 1.2440

Conversions

Conversions Part 2

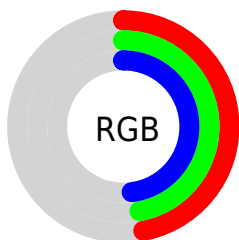
Format	Color
RYB	119, 119, 123
Decimal	7829371
CIELab	50.00, 0.82, -2.19
CIELCh	50, 2.343, 290.501
Yxy	18.4187, 0.3081, 0.3214
Android (android.graphics.Color)	4286019451 (0xFF77777B)
YUV	119.4560, 1.7472, -0.3999
Hunter-Lab	42.9170, -1.6604, 0.7020

Details

The CIELCh color $[50, 2.343, 290.501]$ is a dark color, and the websafe version is hex `666666`. A complement of this color would be $[51, 2.313, 109.841]$, and the grayscale version is $[50, 0.007, 296.813]$.

A 20% lighter version of the original color is $[70, 2.196, 290.423]$, and $[30, 1.921, 290.550]$ is the 20% darker color. If you saturate the color by 10%, you get $[45, 9.689, 291.505]$, and if you desaturate by 10%, it is $[54, 4.732, 109.566]$.

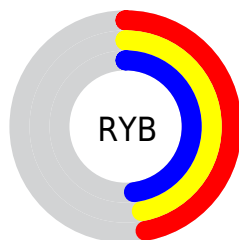
Distribution



Red (47%)

Green (47%)

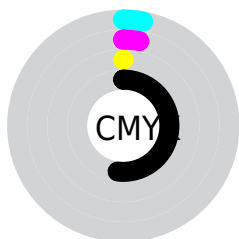
Blue (48%)



Red (47%)

Yellow (47%)

Blue (48%)

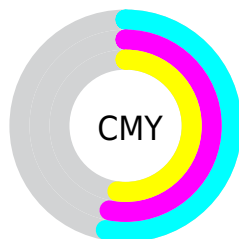


Cyan (3%)

Magenta (3%)

Yellow (0%)

Black (52%)



Cyan (53%)

Magenta (53%)

Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 50, 2.343, 290.501 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 50, 2.343, 290.501 by changing the saturation by 10% instead.

 50, 2.343, 290.501

 50, 2.343, 290.501

100, 2.343,
290.501

 40, 2.343, 290.501

 70, 2.343, 290.501

 30, 2.343, 290.501

 80, 2.343, 290.501

 20, 2.343, 290.501

 90, 2.343, 290.501

 10, 2.343, 290.501


 0, 2.343, 290.501


 50, 2.343, 290.501

 50, 2.343, 290.501

 45, 9.689, 291.505

 54, 4.732, 109.566

 41, 17.333,
292.719

 59, 11.552,
108.813

■ 36, 25.293,
294.140

■ 63, 18.136,
108.163

■ 32, 33.581,
295.786

■ 68, 24.500,
107.601

■ 27, 42.180,
297.659

■ 72, 30.658,
107.115

■ 23, 50.985,
299.716

■ 76, 36.622,
106.692

■ 19, 59.700,
301.841

■ 81, 42.406,
106.322

■ 16, 67.675,
303.811

■ 85, 48.020,
105.998

■ 14, 73.889,
305.335

■ 89, 53.475,
105.713

Harmonies

Complementary

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



50, 2.343, 290.501



51, 2.313, 109.841

Rectangle

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



50, 2.343, 290.501



50, 2.343, 340.501



50, 2.343, 110.501



50, 2.343, 160.501

Sweetspot

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



50, 2.342, 290.481



66, 0.898, 290.313



51, 1.586, 198.073



34, 0.515, 290.310



84, 0.010, 296.813



35, 0.005, 296.813

Same Dimension

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



50, 2.342, 290.481



64, 3.588, 290.558



50, 2.475, 308.590



25, 2.023, 290.599



12, 78.862, 306.277



32, 132.780, 306.283

Inverse Universe

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



50, 1.617, 19.312



64, 2.483, 19.411



51, 2.452, 128.380



25, 1.402, 19.455



25, 60.060, 38.153



53, 103.761, 39.986

Previews

White Background



This preview shows how the CIELCh color 50, 2.343, 290.501 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 50, 2.343, 290.501 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

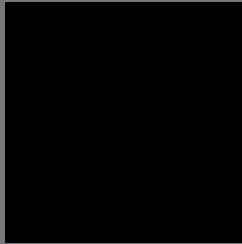
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

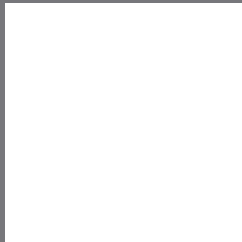
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 50, 2.343, 290.501

Background



This preview shows how black text looks on a background with the CIELCh color 50, 2.343, 290.501.



This preview shows how white text looks on a background with the CIELCh color 50, 2.343, 290.501.

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


50, 2.343, 290.501

Protanopia

50, 2.488, 309.172

Deuteranopia

50, 7.043, 338.611



Tritanopia
50, 5.293, 295.106

Trichromacy



Original Color
50, 2.343, 290.501

Protanomaly
50, 2.386, 300.095

Deuteranomaly
50, 5.486, 331.711

Tritanomaly
50, 4.127, 296.194

Monochromacy



Original Color
50, 2.343, 290.501

Achromatopsia
50, 0.007, 296.813

Achromatomaly
50, 0.591, 290.329

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 2.343, 290.501 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(119, 119, 123)` looks like.

```
.text, #text, p{  
    color:rgb(119, 119, 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(119, 119, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 119, 123) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 2.343, 290.501 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(119, 119, 123) }
```

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

```
.border{ border-color:rgb(119, 119, 123) }
```

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

Here you see how a box with a 4 pixel rgb(119, 119, 123) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(119, 119, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(119, 119, 123);  
box-shadow:4px 4px 4px 4px rgb(119, 119,  
123) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 2.343, 290.501 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 119, 123) }
```

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

```
.background{ background-color: rgb(119,  
119, 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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