

Converting Colors

CIELCh(50, 13.538, 296.657)

Have a look what the booklet for
CIELCh(50, 13.538, 296.657)
contains.

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Color

CIELCh(50, 13.559, 296.667)

Conversions

Conversions Part 1

Format	Color
Hex	77748B
RGB	119, 116, 139
RGB Percent	47%, 45%, 55%
CMY	0.5316, 0.5434, 0.4532
CMYK	0.14, 0.17, 0.00, 0.45
HSL	248°, 9%, 50%
HSV	248°, 17%, 55%
XYZ	18.6540, 18.4187, 27.1675
YIQ	119.5190, -5.5950, 7.7890

Conversions

Conversions Part 2

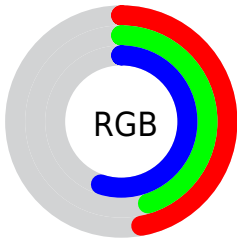
Format	Color
R_{YB}	119, 116, 139
Decimal	7828619
CIE Lab	50.00, 6.09, -12.12
CIE LCh	50, 13.559, 296.667
Yxy	18.4187, 0.2904, 0.2867
Android (android.graphics.Color)	4286018699 (0xFF77748B)
YUV	119.5190, 9.6041, -0.4552
Hunter-Lab	42.9170, 2.4810, -7.4901

Details

The CIELCh color $50, 13.559, 296.667$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $57, 13.084, 114.067$, and the grayscale version is $50, 0.007, 296.813$.

A 20% lighter version of the original color is $70, 13.779, 295.986$, and $30, 13.529, 296.003$ is the 20% darker color. If you saturate the color by 10%, you get $45, 22.198, 297.668$, and if you desaturate by 10%, it is $55, 5.246, 295.799$.

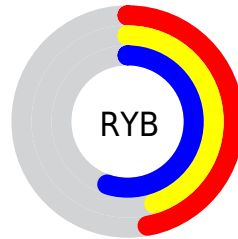
Distribution



Red (47%)

Green (45%)

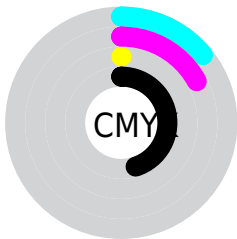
Blue (55%)



Red (47%)

Yellow (45%)

Blue (55%)

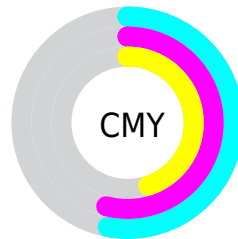


Cyan (14%)

Magenta (17%)

Yellow (0%)

Black (45%)



Cyan (53%)


Magenta (54%)


Yellow (45%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 50, 13.559, 296.667 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, 13.559, 296.667 by changing the saturation by 10% instead.


 50, 13.559,
296.667


 50, 13.559,
296.667


 100, 13.559,
296.667


 40, 13.559,
296.667


 70, 13.559,
296.667

 30, 13.559,
296.667


 80, 13.559,
296.667


 20, 13.559,
296.667

 90, 13.559,
296.667

 10, 13.559,
296.667

 0, 13.559, 296.667

 50, 13.559,
296.667

 50, 13.559,
296.667

45, 22.198,
297.668

55, 5.246, 295.799

40, 31.174,
298.819

60, 2.756, 115.045

35, 40.470,
300.122

65, 10.466,
114.405

31, 50.010,
301.556

69, 17.904,
113.851

26, 59.592,
303.066

74, 25.089,
113.374

22, 68.769,
304.528

79, 32.036,
112.963

19, 76.726,
305.744

83, 38.761,
112.607

16, 82.614,
306.553

88, 45.279,
112.299

16, 84.591,

93, 51.603,
112.032

306.888

Harmonies

Complementary

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



50, 13.559, 296.667



57, 13.084, 114.067

Rectangle

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



50, 13.559, 296.667



50, 13.559, 346.667



50, 13.559, 116.667



50, 13.559, 166.667

Sweetspot

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



50, 13.558, 296.665



71, 4.979, 295.688



56, 7.734, 210.250



37, 3.427, 295.737



88, 0.010, 296.813



39, 0.006, 296.813

Same Dimension

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



50, 13.558, 296.665



62, 20.487, 297.042



51, 14.560, 313.708



27, 4.525, 296.015



14, 81.528, 306.913



0, 2.067, 295.297

Inverse Universe

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



52, 14.751, 329.148



64, 22.148, 329.381



56, 14.326, 132.351



27, 4.973, 328.709



30, 64.384, 334.029



0, 2.295, 328.213

Previews

White Background



This preview shows how the CIELCh color 50, 13.559, 296.667 looks on a white 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

Black Background



This preview shows how the CIELCh color 50, 13.559, 296.667 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

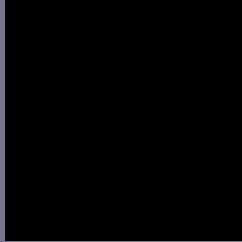
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 50, 13.559, 296.667

Background



This preview shows how black text looks on a background with the CIELCh color 50, 13.559, 296.667.



This preview shows how white text looks on a background with the CIELCh color 50, 13.559, 296.667.

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, 13.559, 296.667

Protanopia

50, 12.930, 285.271

Deuteranopia

50, 14.180, 298.037



Tritanopia
50, 5.864, 287.151

Trichromacy



Original Color
50, 13.559, 296.667

Protanomaly
50, 13.476, 290.339

Deuteranomaly
50, 14.180, 298.037

Tritanomaly
50, 8.810, 293.816

Monochromacy



Original Color
50, 13.559, 296.667

Achromatopsia
50, 0.007, 296.813

Achromatomaly
50, 4.702, 295.570

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 13.559, 296.667 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, 116, 139)` looks like.

```
.text, #text, p{  
    color:rgb(119, 116, 139)  
}
```

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, 116, 139) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 116, 139) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 13.559, 296.667 is called "border". The border property can be set on classes, ids or directly on the HTML element.

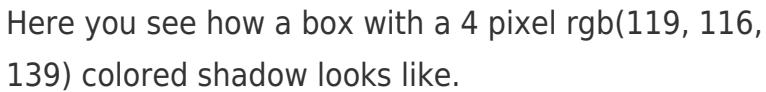
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(119, 116, 139) }
```

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

```
.border{ border-color:rgb(119, 116, 139) }
```

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



Here you see how a box with a 4 pixel `rgb(119, 116, 139)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(119, 116, 139); -webkit-box-  
shadow:4px 4px 4px 4px rgb(119, 116, 139);  
box-shadow:4px 4px 4px 4px rgb(119, 116,  
139) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 13.559, 296.667 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 116, 139) }
```

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

```
.background{ background-color: rgb(119,  
116, 139) }
```

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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