

Converting Colors

CIELCh(50, 19.925, 227.034)

Have a look what the booklet for
CIELCh(50, 19.925, 227.034)
contains.

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Color

CIELCh(50, 19.939, 226.066)

Conversions

Conversions Part 1

Format	Color
Hex	477F8F
RGB	71, 127, 143
RGB Percent	28%, 50%, 56%
CMY	0.7226, 0.5029, 0.4402
CMYK	0.50, 0.11, 0.00, 0.44
HSL	193°, 34%, 42%
HSV	193°, 50%, 56%
XYZ	15.0746, 18.4187, 28.6448
YIQ	112.0800, -38.5120, -6.8960

Conversions

Conversions Part 2

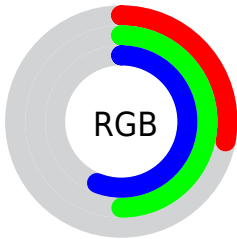
Format	Color
R_{YB}	71, 103, 143
Decimal	4685711
CIE _{Lab}	50.00, -13.83, -14.36
CIE _{LCh}	50, 19.939, 226.066
Yxy	18.4187, 0.2426, 0.2964
Android (android.graphics.Color)	4282875791 (0xFF477F8F)
YUV	112.0800, 15.2436, -36.0272
Hunter-Lab	42.9170, -12.4065, -9.5311

Details

The CIELCh color **50, 19.939, 226.066** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **43, 28.629, 41.763**, and the grayscale version is **47, 0.006, 296.813**.

A 20% lighter version of the original color is **70, 20.056, 226.014**, and **30, 20.010, 226.196** is the 20% darker color. If you saturate the color by 10%, you get **48, 22.689, 227.740**, and if you desaturate by 10%, it is **52, 16.711, 224.771**.

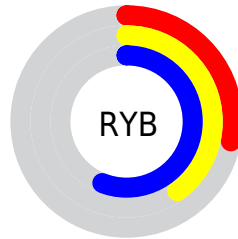
Distribution



Red (28%)

Green (50%)

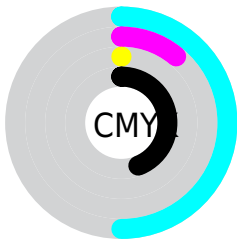
Blue (56%)



Red (28%)

Yellow (40%)

Blue (56%)

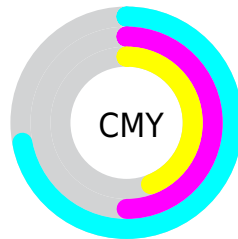


Cyan (50%)

Magenta (11%)

Yellow (0%)

Black (44%)



Cyan (72%)


Magenta (50%)


Yellow (44%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 50, 19.939, 226.066 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, 19.939, 226.066 by changing the saturation by 10% instead.


 50, 19.939,
226.066


 50, 19.939,
226.066


 100, 19.939,
226.066


 40, 19.939,
226.066

 70, 19.939,
226.066

 30, 19.939,
226.066


 80, 19.939,
226.066

 20, 19.939,
226.066

 90, 19.939,
226.066

 10, 19.939,
226.066

 0, 19.939, 226.066

 50, 19.939,
226.066

 50, 19.939,
226.066

48, 22.689,
227.740

52, 16.711,
224.771

47, 24.927,
229.878

53, 13.062,
223.790

46, 26.646,
232.561

55, 9.053, 223.064

44, 27.889,
235.855

57, 4.748, 222.562

59, 0.207, 224.107

43, 28.830,
239.387

61, 4.519, 41.723

63, 9.385, 41.596

66, 14.352, 41.511

68, 19.390, 41.473

Harmonies

Complementary

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



50, 19.939, 226.066



43, 28.629, 41.763

Rectangle

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



50, 19.939, 226.066



50, 19.939, 276.066



50, 19.939, 46.066



50, 19.939, 96.066

Sweetspot

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



50, 19.939, 226.064



72, 8.368, 222.778



54, 42.421, 146.730



38, 5.725, 222.877



88, 0.010, 296.813



40, 0.006, 296.813

Same Dimension

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



50, 19.939, 226.064



62, 28.143, 228.100



39, 31.839, 283.538



29, 2.576, 222.517



41, 27.686, 239.152



1, 1.778, 222.087

Inverse Universe

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



41, 42.251, 334.682



49, 61.410, 335.596



52, 31.001, 88.629



28, 4.805, 331.846



30, 60.997, 339.179



1, 3.224, 331.311

Previews

White Background



This preview shows how the CIE LCh color 50, 19.939, 226.066 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 CIELCh color 50, 19.939, 226.066 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

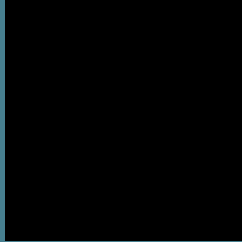
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 50, 19.939, 226.066

Background



This preview shows how black text looks on a background with the CIELCh color 50, 19.939, 226.066.

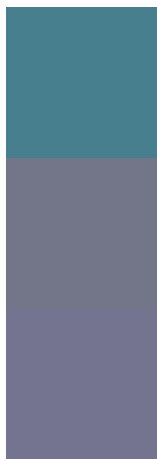


This preview shows how white text looks on a background with the CIELCh color 50, 19.939, 226.066.

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, 19.939, 226.066

Protanopia

50, 11.734, 288.041

Deuteranopia

50, 17.007, 292.361



Tritanopia
50, 19.907, 214.831

Trichromacy



Original Color
50, 19.939, 226.066

Protanomaly
50, 12.926, 253.920

Deuteranomaly
50, 15.482, 264.897

Tritanomaly
50, 19.840, 218.562

Monochromacy



Original Color
50, 19.939, 226.066

Achromatopsia
47, 0.006, 296.813

Achromatomaly
48, 8.252, 224.207

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 19.939, 226.066 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(71, 127, 143)` looks like.

```
.text, #text, p{  
    color:rgb(71, 127, 143)  
}
```

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(71, 127, 143) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(71, 127, 143) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 19.939, 226.066 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(71, 127, 143) }
```

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

```
.border{ border-color:rgb(71, 127, 143) }
```

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

Here you see how a box with a 4 pixel `rgb(71, 127, 143)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(71, 127, 143); -webkit-box-  
shadow:4px 4px 4px 4px rgb(71, 127, 143);  
box-shadow:4px 4px 4px 4px rgb(71, 127,  
143) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 19.939, 226.066 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(71, 127, 143) }
```

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

```
.background{ background-color: rgb(71, 127,  
143) }
```

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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