

Converting Colors

CIELCh(50, 11.506, 267.401)

Have a look what the booklet for
CIELCh(50, 11.506, 267.401)
contains.

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Color

CIELCh(50, 11.427, 266.856)

Conversions

Conversions Part 1

Format	Color
Hex	6B788A
RGB	107, 120, 138
RGB Percent	42%, 47%, 54%
CMY	0.5801, 0.5291, 0.4585
CMYK	0.22, 0.13, 0.00, 0.46
HSL	215°, 13%, 48%
HSV	215°, 22%, 54%
XYZ	17.3909, 18.4187, 26.7124
YIQ	118.1650, -13.5260, 2.8420

Conversions

Conversions Part 2

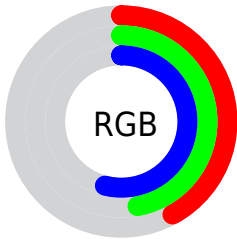
Format	Color
R_{YB}	107, 116, 138
Decimal	7043210
CIE _{Lab}	50.00, -0.63, -11.41
CIE _{LCh}	50, 11.427, 266.856
Yxy	18.4187, 0.2782, 0.2946
Android (android.graphics.Color)	4285233290 (0xFF6B788A)
YUV	118.1650, 9.7787, -9.7917
Hunter-Lab	42.9170, -2.7724, -6.8615

Details

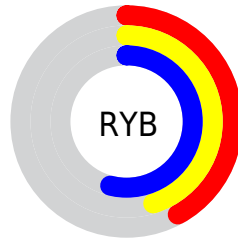
The CIELCh color $50, 11.427, 266.856$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $53, 11.773, 80.799$, and the grayscale version is $50, 0.007, 296.813$.

A 20% lighter version of the original color is $70, 11.258, 267.226$, and $30, 11.214, 265.653$ is the 20% darker color. If you saturate the color by 10%, you get $47, 16.534, 268.684$, and if you desaturate by 10%, it is $53, 6.328, 265.297$.

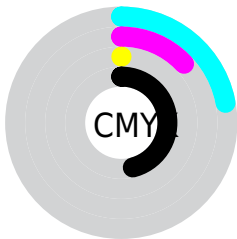
Distribution



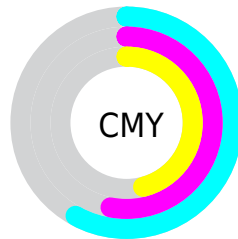
- Red (42%)
- Green (47%)
- Blue (54%)



- Red (42%)
- Yellow (45%)
- Blue (54%)



- Cyan (22%)
- Magenta (13%)
- Yellow (0%)
- Black (46%)





- Cyan (58%)
- Magenta (53%)
- Yellow (46%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 50, 11.427, 266.856 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, 11.427, 266.856 by changing the saturation by 10% instead.


 50, 11.427,
266.856


 50, 11.427,
266.856


 100, 11.427,
266.856


 40, 11.427,
266.856


 70, 11.427,
266.856

 30, 11.427,
266.856


 80, 11.427,
266.856


 20, 11.427,
266.856

 90, 11.427,
266.856

 10, 11.427,
266.856

 0, 11.427, 266.856

 50, 11.427,
266.856

 50, 11.427,
266.856

47, 16.534,
268.684

53, 6.328, 265.297

43, 21.650,
270.833

57, 1.248, 264.100

60, 3.806, 82.692

40, 26.778,
273.343

63, 8.827, 81.721

37, 31.934,
276.249

67, 13.806, 80.852

70, 18.737, 80.084

34, 37.150,
279.558

73, 23.615, 79.404

31, 42.464,
283.229

77, 28.435, 78.797

80, 33.196, 78.253

28, 47.912,
287.151

26, 52.140,
289.975

Harmonies

Complementary

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



50, 11.427, 266.856



53, 11.773, 80.799

Rectangle

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



50, 11.427, 266.856



50, 11.427, 316.856



50, 11.427, 86.856



50, 11.427, 136.856

Sweetspot

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



50, 11.426, 266.852



70, 4.386, 264.585



55, 14.335, 165.414



36, 2.838, 264.644



87, 0.010, 296.813



38, 0.005, 296.813

Same Dimension

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



50, 11.426, 266.852



62, 16.956, 267.754



46, 18.455, 294.999



27, 2.860, 264.843



25, 50.428, 289.806



1, 1.326, 263.621

Inverse Universe

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



49, 14.756, 350.311



60, 21.992, 350.880



57, 17.550, 110.924



27, 3.638, 348.972



27, 51.976, 8.261



0, 1.666, 348.234

Previews

White Background



This preview shows how the CIELCh color 50, 11.427, 266.856 looks on a white background.

Color Contrast Check

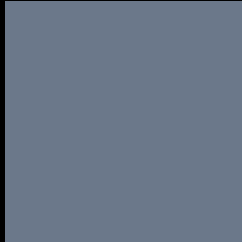
Large Text (above 18pt) WCAG AA ✓ Pass

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, 11.427, 266.856 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

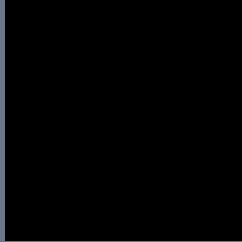
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

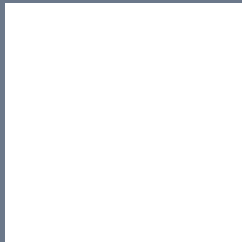
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 50, 11.427, 266.856

Background



This preview shows how black text looks on a background with the CIELCh color 50, 11.427, 266.856.



This preview shows how white text looks on a background with the CIELCh color 50, 11.427, 266.856.

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, 11.427, 266.856

Protanopia

50, 11.157, 285.837

Deuteranopia

50, 13.649, 299.822



Tritanopia
50, 8.005, 246.172

Trichromacy



Original Color
50, 11.427, 266.856

Protanomaly
50, 10.785, 277.554

Deuteranomaly
50, 12.892, 290.188

Tritanomaly
50, 9.291, 254.273

Monochromacy



Original Color
50, 11.427, 266.856

Achromatopsia
50, 0.007, 296.813

Achromatomaly
50, 3.986, 261.347

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 11.427, 266.856 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(107, 120, 138)` looks like.

```
.text, #text, p{  
    color:rgb(107, 120, 138)  
}
```

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(107, 120, 138) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 120, 138) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 11.427, 266.856 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(107, 120, 138) }
```

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

```
.border{ border-color:rgb(107, 120, 138) }
```

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

Here you see how a box with a 4 pixel `rgb(107, 120, 138)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(107, 120, 138); -webkit-box-  
shadow:4px 4px 4px 4px rgb(107, 120, 138);  
box-shadow:4px 4px 4px 4px rgb(107, 120,  
138) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 11.427, 266.856 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 120, 138) }
```

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

```
.background{ background-color: rgb(107,  
120, 138) }
```

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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