

Converting Colors

CIELCh(50, 11.599, 146.432)

Have a look what the booklet for
CIELCh(50, 11.599, 146.432)
contains.

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Color

CIELCh(50, 11.210, 146.990)

Conversions

Conversions Part 1

Format	Color
Hex	6A7B6C
RGB	106, 123, 108
RGB Percent	42%, 48%, 42%
CMY	0.5831, 0.5164, 0.5752
CMYK	0.14, 0.00, 0.12, 0.52
HSL	127°, 7%, 45%
HSV	127°, 14%, 48%
XYZ	15.8277, 18.4187, 16.9961
YIQ	116.2070, -5.3170, -8.2690

Conversions

Conversions Part 2

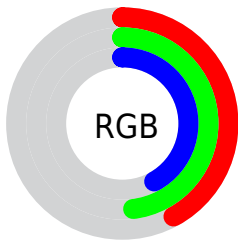
Format	Color
R_{YB}	106, 121, 123
Decimal	6978412
CIE _{Lab}	50.00, -9.40, 6.11
CIE _{LCh}	50, 11.210, 146.990
Yxy	18.4187, 0.3089, 0.3594
Android (android.graphics.Color)	4285168492 (0xFF6A7B6C)
YUV	116.2070, -4.0461, -8.9515
Hunter-Lab	42.9170, -9.2744, 6.5617

Details

The CIELCh color **50, 11.210, 146.990** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **47, 11.234, 328.567**, and the grayscale version is **49, 0.007, 296.813**.

A 20% lighter version of the original color is **70, 11.161, 147.006**, and **30, 10.708, 147.106** is the 20% darker color. If you saturate the color by 10%, you get **49, 19.395, 146.255**, and if you desaturate by 10%, it is **51, 3.060, 147.664**.

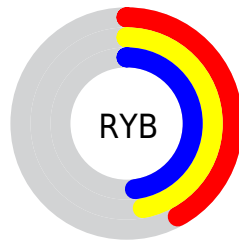
Distribution



Red (42%)

Green (48%)

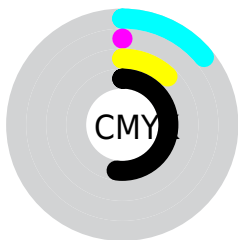
Blue (42%)



Red (42%)

Yellow (47%)

Blue (48%)

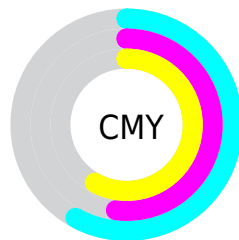


Cyan (14%)

Magenta (0%)

Yellow (12%)

Black (52%)



Cyan (58%)


Magenta (52%)


Yellow (58%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 50, 11.210, 146.990 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, 11.210, 146.990 by changing the saturation by 10% instead.


 50, 11.210,
146.990


 50, 11.210,
146.990


 100, 11.210,
146.990


 40, 11.210,
146.990


 70, 11.210,
146.990

 30, 11.210,
146.990


 80, 11.210,
146.990


 20, 11.210,
146.990

 90, 11.210,
146.990

 10, 11.210,
146.990

 0, 11.210, 146.990

 50, 11.210,
146.990

 50, 11.210,
146.990

■ 49, 19.395,
146.255

■ 51, 3.060, 147.664

■ 48, 27.505,
145.408

■ 53, 4.979, 328.097

■ 47, 35.405,
144.436

■ 54, 12.849,
328.588

■ 46, 42.932,
143.331

■ 56, 20.513,
328.997

■ 46, 49.897,
142.102

■ 57, 27.948,
329.351

■ 45, 56.096,
140.780

■ 59, 35.145,
329.660

■ 45, 61.316,
139.427

■ 61, 42.101,
329.932

■ 45, 65.367,
138.150

■ 63, 48.821,
330.171

■ 45, 67.354,

■ 65, 55.312,
330.385

137.581

Harmonies

Complementary

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



50, 11.210, 146.990



47, 11.234, 328.567

Rectangle

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



50, 11.210, 146.990



50, 11.210, 196.990



50, 11.210, 326.990



50, 11.210, 16.990

Sweetspot

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



50, 11.211, 146.990



65, 4.008, 147.641



51, 9.885, 113.720



34, 2.873, 147.594



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, 11.211, 146.990



63, 17.182, 146.735



50, 7.785, 169.284



25, 4.537, 147.307



45, 68.021, 137.563



87, 116.300, 136.916

Inverse Universe

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



47, 11.234, 328.567



59, 17.216, 328.777



47, 8.003, 351.652



24, 4.548, 328.290



28, 62.318, 333.349



58, 104.406, 333.662

Previews

White Background



This preview shows how the CIELCh color 50, 11.210, 146.990 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 CIE LCh color 50, 11.210, 146.990 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

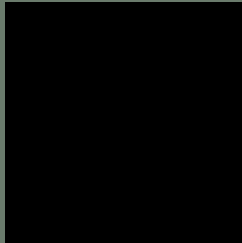
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 50, 11.210, 146.990

Background



This preview shows how black text looks on a background with the CIELCh color 50, 11.210, 146.990.

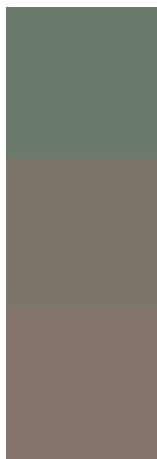


This preview shows how white text looks on a background with the CIELCh color 50, 11.210, 146.990.

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

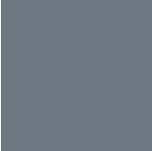
50, 11.210, 146.990

Protanopia

50, 7.430, 89.366

Deuteranopia

50, 8.130, 41.066



Tritanopia
50, 6.898, 257.473

Trichromacy



Original Color
50, 11.210, 146.990

Protanomaly
50, 7.618, 115.449

Deuteranomaly
50, 5.637, 87.776

Tritanomaly
50, 4.708, 206.140

Monochromacy



Original Color
50, 11.210, 146.990

Achromatopsia
49, 0.007, 296.813

Achromatomaly
49, 3.820, 149.150

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 11.210, 146.990 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(106, 123, 108)` looks like.

```
.text, #text, p{  
    color:rgb(106, 123, 108)  
}
```

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(106, 123, 108) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 123, 108) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 11.210, 146.990 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(106, 123, 108) }
```

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

```
.border{ border-color:rgb(106, 123, 108) }
```

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

Here you see how a box with a 4 pixel `rgb(106, 123, 108)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(106, 123, 108); -webkit-box-  
shadow:4px 4px 4px 4px rgb(106, 123, 108);  
box-shadow:4px 4px 4px 4px rgb(106, 123,  
108) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 11.210, 146.990 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(106, 123, 108) }
```

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

```
.background{ background-color: rgb(106,  
123, 108) }
```

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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