

Converting Colors

CIELCh(50, 12.596, 226.812)

Have a look what the booklet for
CIELCh(50, 12.596, 226.812)
contains.

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Color

CIELCh(50, 12.682, 226.023)

Conversions

Conversions Part 1

Format	Color
Hex	5C7C86
RGB	92, 124, 134
RGB Percent	36%, 49%, 53%
CMY	0.6391, 0.5136, 0.4744
CMYK	0.31, 0.07, 0.00, 0.47
HSL	194°, 19%, 44%
HSV	194°, 31%, 53%
XYZ	15.9305, 18.4187, 25.2773
YIQ	115.5720, -22.2820, -3.6740

Conversions

Conversions Part 2

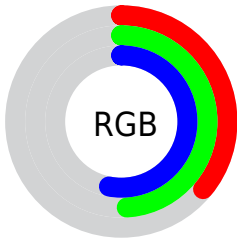
Format	Color
R_{YB}	92, 110, 134
Decimal	6061190
CIE _{Lab}	50.00, -8.81, -9.13
CIE _{LCh}	50, 12.682, 226.023
Yxy	18.4187, 0.2672, 0.3089
Android (android.graphics.Color)	4284251270 (0xFF5C7C86)
YUV	115.5720, 9.0850, -20.6726
Hunter-Lab	42.9170, -8.8467, -4.8788

Details

The CIELCh color `50, 12.682, 226.023` is a dark color, and the websafe version is hex `669999`. A complement of this color would be `46, 15.518, 43.122`, and the grayscale version is `49, 0.006, 296.813`.

A 20% lighter version of the original color is `70, 12.828, 223.974`, and `30, 12.478, 225.712` is the 20% darker color. If you saturate the color by 10%, you get `48, 16.125, 227.123`, and if you desaturate by 10%, it is `52, 8.907, 225.184`.

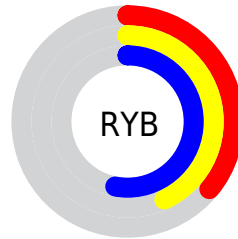
Distribution



Red (36%)

Green (49%)

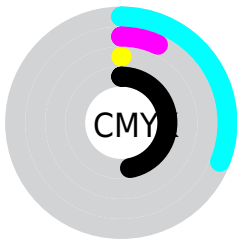
Blue (53%)



Red (36%)

Yellow (43%)

Blue (53%)

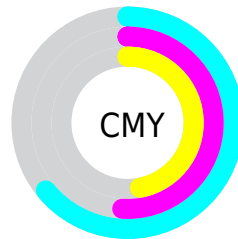


Cyan (31%)

Magenta (7%)

Yellow (0%)

Black (47%)



Cyan (64%)


Magenta (51%)


Yellow (47%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 50, 12.682, 226.023 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, 12.682, 226.023 by changing the saturation by 10% instead.


 50, 12.682,
226.023


 50, 12.682,
226.023


 100, 12.682,
226.023


 40, 12.682,
226.023


 70, 12.682,
226.023

 30, 12.682,
226.023


 80, 12.682,
226.023


 20, 12.682,
226.023

 90, 12.682,
226.023

 10, 12.682,
226.023

 0, 12.682, 226.023

 50, 12.682,
226.023

 50, 12.682,
226.023

48, 16.125,
227.123

52, 8.907, 225.184

47, 19.180,
228.558

54, 4.857, 224.581

56, 0.587, 224.700

45, 21.798,
230.397

58, 3.856, 43.579

44, 23.952,
232.721

60, 8.430, 43.392

62, 13.100, 43.246

42, 25.641,
235.612

64, 17.838, 43.152

41, 26.910,
239.130

66, 22.621, 43.103

68, 27.429, 43.088

40, 27.860,
242.441

Harmonies

Complementary

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



50, 12.682, 226.023



46, 15.518, 43.122

Rectangle

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



50, 12.682, 226.023



50, 12.682, 276.023



50, 12.682, 46.023



50, 12.682, 96.023

Sweetspot

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



50, 12.682, 226.019



69, 4.783, 224.486



52, 25.115, 149.372



35, 3.300, 224.540



86, 0.010, 296.813



37, 0.005, 296.813

Same Dimension

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



50, 12.682, 226.019



62, 18.475, 226.818



44, 18.752, 280.591



27, 2.408, 224.483



39, 27.244, 242.299



0, 0.589, 223.990

Inverse Universe

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



44, 25.185, 333.924



54, 37.534, 334.458



52, 18.447, 92.359



26, 4.465, 332.427



29, 58.696, 340.118



0, 1.062, 331.892

Previews

White Background



This preview shows how the CIELCh color 50, 12.682, 226.023 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, 12.682, 226.023 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

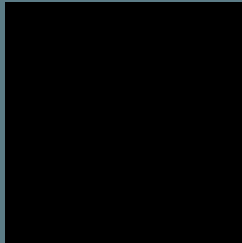
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

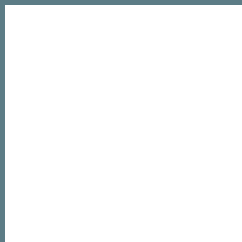
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 50, 12.682, 226.023

Background



This preview shows how black text looks on a background with the CIELCh color 50, 12.682, 226.023.

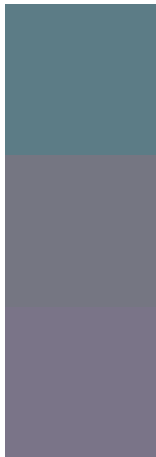


This preview shows how white text looks on a background with the CIELCh color 50, 12.682, 226.023.

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, 12.682, 226.023

Protanopia

50, 7.032, 287.953

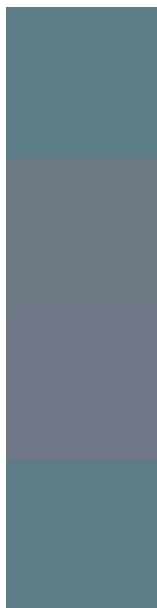
Deuteranopia

50, 11.984, 302.671



Tritanopia
50, 12.682, 226.023

Trichromacy



Original Color
50, 12.682, 226.023

Protanomaly
50, 7.770, 255.366

Deuteranomaly
50, 9.759, 273.525

Tritanomaly
50, 12.682, 226.023

Monochromacy



Original Color
50, 12.682, 226.023

Achromatopsia
49, 0.007, 296.813

Achromatomaly
49, 5.156, 226.171

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 12.682, 226.023 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(92, 124, 134)` looks like.

```
.text, #text, p{  
    color:rgb(92, 124, 134)  
}
```

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(92, 124, 134) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(92, 124, 134) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 12.682, 226.023 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(92, 124, 134) }
```

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

```
.border{ border-color:rgb(92, 124, 134) }
```

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

Here you see how a box with a 4 pixel `rgb(92, 124, 134)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(92, 124, 134); -webkit-box-  
shadow:4px 4px 4px 4px rgb(92, 124, 134);  
box-shadow:4px 4px 4px 4px rgb(92, 124,  
134) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 12.682, 226.023 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(92, 124, 134) }
```

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

```
.background{ background-color: rgb(92, 124,  
134) }
```

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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