

Converting Colors

CIELCh(50, 12.544, 278.031)

Have a look what the booklet for
CIELCh(50, 12.544, 278.031)
contains.

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Color

CIELCh(50, 12.555, 278.219)

Conversions

Conversions Part 1

Format	Color
Hex	6F778C
RGB	111, 119, 140
RGB Percent	44%, 47%, 55%
CMY	0.5653, 0.5339, 0.4516
CMYK	0.21, 0.15, 0.00, 0.45
HSL	223°, 12%, 49%
HSV	223°, 21%, 55%
XYZ	17.8398, 18.4187, 27.3682
YIQ	119.0020, -11.5090, 4.8350

Conversions

Conversions Part 2

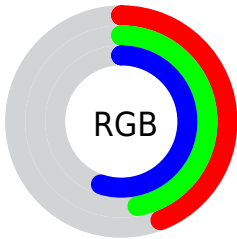
Format	Color
R_{YB}	111, 117, 140
Decimal	7305100
CIE _{Lab}	50.00, 1.79, -12.43
CIE _{LCh}	50, 12.555, 278.219
Yxy	18.4187, 0.2804, 0.2895
Android (android.graphics.Color)	4285495180 (0xFF6F778C)
YUV	119.0020, 10.3520, -7.0178
Hunter-Lab	42.9170, -0.9054, -7.7674

Details

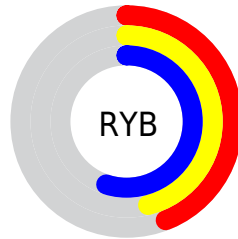
The CIELCh color $50, 12.555, 278.219$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $55, 12.449, 92.981$, and the grayscale version is $50, 0.007, 296.813$.

A 20% lighter version of the original color is $70, 12.841, 278.785$, and $30, 12.440, 278.079$ is the 20% darker color. If you saturate the color by 10%, you get $46, 18.816, 279.882$, and if you desaturate by 10%, it is $54, 6.432, 276.791$.

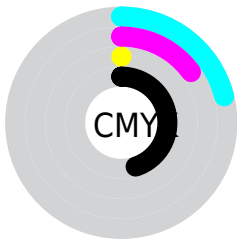
Distribution



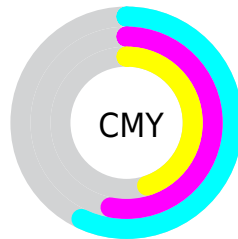
- Red (44%)
- Green (47%)
- Blue (55%)



- Red (44%)
- Yellow (46%)
- Blue (55%)



- Cyan (21%)
- Magenta (15%)
- Yellow (0%)
- Black (45%)





- Cyan (57%)
- Magenta (53%)
- Yellow (45%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 50, 12.555, 278.219 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, 12.555, 278.219 by changing the saturation by 10% instead.


 50, 12.555,
278.219


 50, 12.555,
278.219


 100, 12.555,
278.219


 40, 12.555,
278.219


 70, 12.555,
278.219

 30, 12.555,
278.219


 80, 12.555,
278.219


 20, 12.555,
278.219

 90, 12.555,
278.219

 10, 12.555,
278.219

 0, 12.555, 278.219

 50, 12.555,
278.219

 50, 12.555,
278.219

46, 18.816,
279.882

54, 6.432, 276.791

42, 25.230,
281.822

58, 0.440, 275.881

62, 5.425, 94.425

38, 31.814,
284.070

66, 11.168, 93.504

34, 38.589,
286.645

70, 16.793, 92.689

74, 22.300, 91.968

31, 45.572,
289.537

77, 27.693, 91.327

27, 52.743,
292.682

81, 32.975, 90.755

85, 38.149, 90.241

24, 59.999,
295.942

21, 66.613,
298.744

Harmonies

Complementary

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



50, 12.555, 278.219



55, 12.449, 92.981

Rectangle

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



50, 12.555, 278.219



50, 12.555, 328.219



50, 12.555, 98.219



50, 12.555, 148.219

Sweetspot

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



50, 12.554, 278.216



71, 4.421, 276.216



56, 12.071, 175.241



37, 2.957, 276.282



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, 12.554, 278.216



62, 18.788, 278.983



48, 17.317, 300.135



27, 3.334, 276.586



20, 63.764, 298.575



0, 1.534, 275.448

Inverse Universe

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



50, 12.800, 359.693



61, 19.222, 0.276



57, 16.598, 117.303



27, 3.361, 358.423



27, 54.077, 21.517



0, 1.531, 357.645

Previews

White Background



This preview shows how the CIELCh color 50, 12.555, 278.219 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, 12.555, 278.219 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

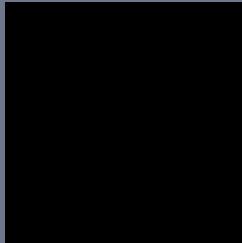
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

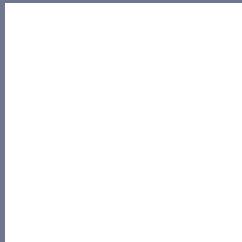
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 50, 12.555, 278.219

Background



This preview shows how black text looks on a background with the CIELCh color 50, 12.555, 278.219.

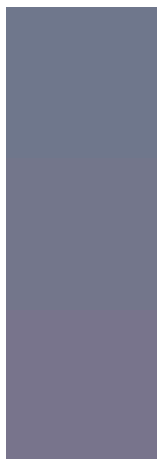


This preview shows how white text looks on a background with the CIELCh color 50, 12.555, 278.219.

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

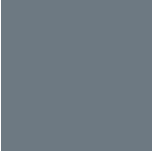
50, 12.555, 278.219

Protanopia

50, 12.320, 286.568

Deuteranopia

50, 14.180, 298.037



Tritanopia
50, 6.869, 249.307

Trichromacy



Original Color
50, 12.555, 278.219

Protanomaly
50, 12.392, 283.176

Deuteranomaly
50, 13.477, 291.913

Tritanomaly
50, 8.914, 266.361

Monochromacy



Original Color
50, 12.555, 278.219

Achromatopsia
50, 0.007, 296.813

Achromatomaly
50, 4.804, 276.740

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 12.555, 278.219 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(111, 119, 140)` looks like.

```
.text, #text, p{  
    color:rgb(111, 119, 140)  
}
```

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(111, 119, 140) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(111, 119, 140) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 12.555, 278.219 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(111, 119, 140) }
```

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

```
.border{ border-color:rgb(111, 119, 140) }
```

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

Here you see how a box with a 4 pixel `rgb(111, 119, 140)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(111, 119, 140); -webkit-box-  
shadow:4px 4px 4px 4px rgb(111, 119, 140);  
box-shadow:4px 4px 4px 4px rgb(111, 119,  
140) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 12.555, 278.219 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(111, 119, 140) }
```

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

```
.background{ background-color: rgb(111,  
119, 140) }
```

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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