

Converting Colors

CIELCh(50, 12.451, 206.522)

Have a look what the booklet for
CIELCh(50, 12.451, 206.522)
contains.

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Color

CIELCh(50, 12.505, 206.278)

Conversions

Conversions Part 1

Format	Color
Hex	5B7D80
RGB	91, 125, 128
RGB Percent	36%, 49%, 50%
CMY	0.6435, 0.5102, 0.4984
CMYK	0.29, 0.02, 0.00, 0.50
HSL	185°, 17%, 43%
HSV	185°, 29%, 50%
XYZ	15.5169, 18.4187, 23.1266
YIQ	115.1760, -21.2270, -6.2750

Conversions

Conversions Part 2

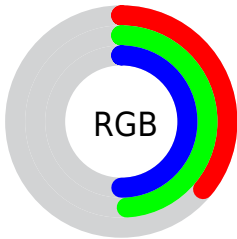
Format	Color
R_{YB}	91, 109, 128
Decimal	5995904
CIE _{Lab}	50.00, -11.21, -5.54
CIE _{LCh}	50, 12.505, 206.278
Yxy	18.4187, 0.2719, 0.3228
Android (android.graphics.Color)	4284185984 (0xFF5B7D80)
YUV	115.1760, 6.3222, -21.2024
Hunter-Lab	42.9170, -10.5669, -1.9077

Details

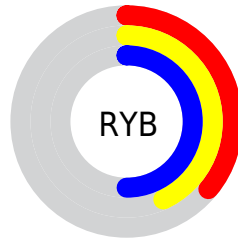
The CIELCh color $50, 12.505, 206.278$ is a dark color, and the websafe version is hex 669999 . A complement of this color would be $43, 15.199, 28.055$, and the grayscale version is $48, 0.006, 296.813$.

A 20% lighter version of the original color is $70, 12.708, 205.895$, and $30, 12.465, 206.591$ is the 20% darker color. If you saturate the color by 10%, you get $49, 16.166, 206.281$, and if you desaturate by 10%, it is $51, 8.460, 206.380$.

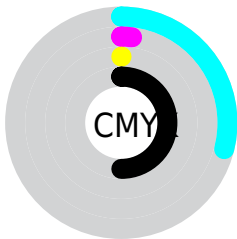
Distribution



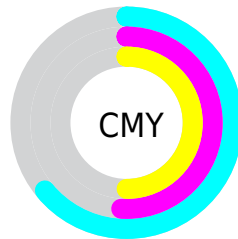
- Red (36%)
- Green (49%)
- Blue (50%)



- Red (36%)
- Yellow (43%)
- Blue (50%)



- Cyan (29%)
- Magenta (2%)
- Yellow (0%)
- Black (50%)





- Cyan (64%)
- Magenta (51%)
- Yellow (50%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 50, 12.505, 206.278 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, 12.505, 206.278 by changing the saturation by 10% instead.


 50, 12.505,
206.278


 50, 12.505,
206.278


 100, 12.505,
206.278


 40, 12.505,
206.278


 70, 12.505,
206.278

 30, 12.505,
206.278


 80, 12.505,
206.278


 20, 12.505,
206.278

 90, 12.505,
206.278

 10, 12.505,
206.278

 0, 12.505, 206.278

 50, 12.505,
206.278

 50, 12.505,
206.278

■ 49, 16.166,
206.281

■ 51, 8.460, 206.380

■ 48, 19.372,
206.419

■ 52, 4.101, 206.608

■ 54, 0.505, 25.963

■ 47, 22.062,
206.711

■ 55, 5.301, 26.979

■ 46, 24.185,
207.183

■ 57, 10.234, 27.355

■ 58, 15.261, 27.737

■ 46, 25.718,
207.862

■ 60, 20.349, 28.134

■ 45, 26.668,
208.772

■ 61, 25.470, 28.541

■ 63, 30.600, 28.955

■ 45, 27.203,
209.864

■ 45, 27.259,
209.980

Harmonies

Complementary

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



50, 12.505, 206.278



43, 15.199, 28.055

Rectangle

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



50, 12.505, 206.278



50, 12.505, 256.278



50, 12.505, 26.278



50, 12.505, 76.278

Sweetspot

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



50, 12.505, 206.273



67, 5.108, 206.599



50, 25.175, 144.340



35, 3.566, 206.561



85, 0.010, 296.813



36, 0.005, 296.813

Same Dimension

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



50, 12.505, 206.273



63, 18.207, 206.265



45, 13.620, 266.629



26, 2.582, 206.602



45, 27.197, 209.976



0, 0.000, 0.000

Inverse Universe

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



44, 24.945, 328.294



53, 37.183, 328.674



48, 14.253, 78.664



25, 4.827, 327.177



29, 64.998, 331.628



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIE LCh color 50, 12.505, 206.278 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, 12.505, 206.278 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

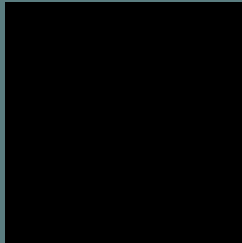
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 50, 12.505, 206.278

Background



This preview shows how black text looks on a background with the CIELCh color 50, 12.505, 206.278.



This preview shows how white text looks on a background with the CIELCh color 50, 12.505, 206.278.

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, 12.505, 206.278

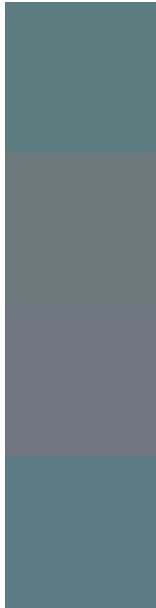
Protanopia
50, 3.545, 297.044

Deuteranopia
50, 9.672, 315.119



Tritanopia
50, 12.682, 226.023

Trichromacy



Original Color
50, 12.505, 206.278

Protanomaly
50, 5.144, 226.161

Deuteranomaly
50, 6.244, 269.293

Tritanomaly
50, 12.315, 220.811

Monochromacy



Original Color
50, 12.505, 206.278

Achromatopsia
48, 0.006, 296.813

Achromatomaly
49, 5.098, 205.558

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 12.505, 206.278 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(91, 125, 128)` looks like.

```
.text, #text, p{  
    color:rgb(91, 125, 128)  
}
```

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(91, 125, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(91, 125, 128) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 12.505, 206.278 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(91, 125, 128) }
```

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

```
.border{ border-color:rgb(91, 125, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(91, 125, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(91, 125, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(91, 125, 128);  
box-shadow:4px 4px 4px 4px rgb(91, 125,  
128) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 12.505, 206.278 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(91, 125, 128) }
```

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

```
.background{ background-color: rgb(91, 125,  
128) }
```

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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