

Converting Colors

CIELCh(50, 13.846, 304.566)

Have a look what the booklet for
CIELCh(50, 13.846, 304.566)
contains.

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Color

CIELCh(50, 13.878, 304.505)

Conversions

Conversions Part 1

Format	Color
Hex	7B738A
RGB	123, 115, 138
RGB Percent	48%, 45%, 54%
CMY	0.5163, 0.5477, 0.4575
CMYK	0.11, 0.17, 0.00, 0.46
HSL	261°, 9%, 50%
HSV	261°, 17%, 54%
XYZ	18.9982, 18.4187, 26.7295
YIQ	120.0140, -2.6150, 8.8490

Conversions

Conversions Part 2

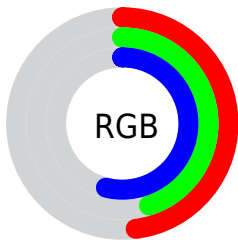
Format	Color
R_{YB}	123, 115, 138
Decimal	8090506
CIE _{Lab}	50.00, 7.86, -11.44
CIE _{LCh}	50, 13.878, 304.505
Yxy	18.4187, 0.2962, 0.2871
Android (android.graphics.Color)	4286280586 (0xFF7B738A)
YUV	120.0140, 8.8671, 2.6187
Hunter-Lab	42.9170, 3.9126, -6.8851

Details

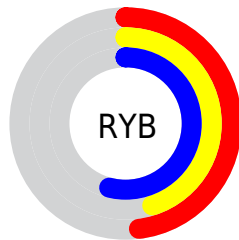
The CIELCh color $50, 13.878, 304.505$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $56, 13.480, 122.731$, and the grayscale version is $51, 0.007, 296.813$.

A 20% lighter version of the original color is $70, 13.613, 305.250$, and $30, 13.832, 304.380$ is the 20% darker color. If you saturate the color by 10%, you get $45, 22.580, 305.148$, and if you desaturate by 10%, it is $55, 5.446, 303.922$.

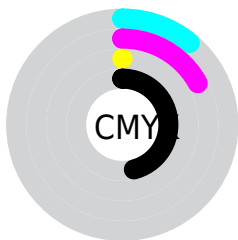
Distribution



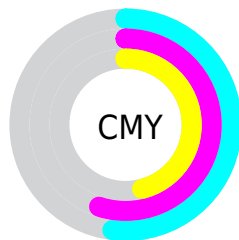
- Red (48%)
- Green (45%)
- Blue (54%)



- Red (48%)
- Yellow (45%)
- Blue (54%)



- Cyan (11%)
- Magenta (17%)
- Yellow (0%)
- Black (46%)





- Cyan (52%)
- Magenta (55%)
- Yellow (46%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 50, 13.878, 304.505 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, 13.878, 304.505 by changing the saturation by 10% instead.


 50, 13.878,
304.505


 50, 13.878,
304.505


 100, 13.878,
304.505


 40, 13.878,
304.505


 70, 13.878,
304.505

 30, 13.878,
304.505


 80, 13.878,
304.505


 20, 13.878,
304.505

 90, 13.878,
304.505

 10, 13.878,
304.505

 0, 13.878, 304.505

 50, 13.878,
304.505

 50, 13.878,
304.505

45, 22.580,
305.148

41, 31.531,
305.856

36, 40.669,
306.615

32, 49.863,
307.395

28, 58.864,
308.142

24, 67.245,
308.766

21, 74.358,
309.138

19, 79.688,
309.179

18, 81.465,

55, 5.446, 303.922

59, 2.709, 123.441

64, 10.594,
122.981

68, 18.219,
122.589

73, 25.598,
122.250

77, 32.745,
121.957

82, 39.673,
121.705

86, 46.396,
121.488

90, 52.926,
121.302

Harmonies

Complementary

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



50, 13.878, 304.505



56, 13.480, 122.731

Rectangle

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



50, 13.878, 304.505



50, 13.878, 354.505



50, 13.878, 124.505



50, 13.878, 174.505

Sweetspot

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



50, 13.877, 304.503



71, 5.103, 303.838



54, 7.162, 237.293



37, 3.512, 303.873



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, 13.877, 304.503



62, 20.914, 304.742



51, 15.393, 320.521



27, 4.634, 304.064



17, 78.959, 309.279



0, 2.121, 303.585

Inverse Universe

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



51, 12.676, 337.445



64, 19.027, 337.739



56, 15.292, 139.002



27, 4.261, 336.881



28, 55.496, 347.817



0, 1.962, 336.284

Previews

White Background



This preview shows how the CIE LCh color 50, 13.878, 304.505 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 CIELCh color 50, 13.878, 304.505 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

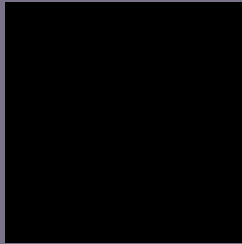
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 50, 13.878, 304.505

Background



This preview shows how black text looks on a background with the CIELCh color 50, 13.878, 304.505.



This preview shows how white text looks on a background with the CIELCh color 50, 13.878, 304.505.

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, 13.878, 304.505

Protanopia

50, 12.901, 286.894

Deuteranopia

50, 13.070, 300.132



Tritanopia
50, 6.091, 305.869

Trichromacy



Original Color
50, 13.878, 304.505

Protanomaly
50, 12.903, 293.498

Deuteranomaly
50, 13.133, 301.774

Tritanomaly
50, 9.134, 306.057

Monochromacy



Original Color
50, 13.878, 304.505

Achromatopsia
50, 0.007, 296.813

Achromatomaly
50, 5.417, 303.415

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 13.878, 304.505 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(123, 115, 138)` looks like.

```
.text, #text, p{  
    color:rgb(123, 115, 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(123, 115, 138) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 115, 138) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 13.878, 304.505 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(123, 115, 138) }
```

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

```
.border{ border-color:rgb(123, 115, 138) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 115, 138)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 115, 138); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 115, 138);  
box-shadow:4px 4px 4px 4px rgb(123, 115,  
138) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 13.878, 304.505 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 115, 138) }
```

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

```
.background{ background-color: rgb(123,  
115, 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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