

Converting Colors

CIELCh(50, 13.741, 306.325)

Have a look what the booklet for
CIELCh(50, 13.741, 306.325)
contains.

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Color

CIELCh(50, 13.968, 306.039)

Conversions

Conversions Part 1

Format	Color
Hex	7C738A
RGB	124, 115, 138
RGB Percent	49%, 45%, 54%
CMY	0.5133, 0.5486, 0.4584
CMYK	0.10, 0.17, 0.00, 0.46
HSL	263°, 9%, 50%
HSV	263°, 17%, 54%
XYZ	19.0677, 18.4187, 26.6389
YIQ	120.3130, -2.0190, 9.0610

Conversions

Conversions Part 2

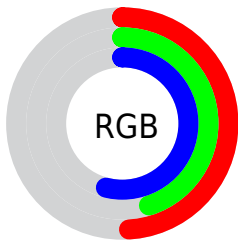
Format	Color
R_{YB}	124, 115, 138
Decimal	8156042
CIE _{Lab}	50.00, 8.22, -11.29
CIE _{LCh}	50, 13.968, 306.039
Yxy	18.4187, 0.2974, 0.2872
Android (android.graphics.Color)	4286346122 (0xFF7C738A)
YUV	120.3130, 8.7197, 3.2335
Hunter-Lab	42.9170, 4.2018, -6.7599

Details

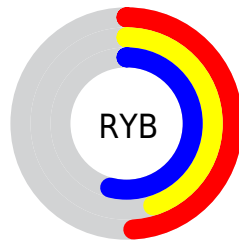
The CIELCh color $50, 13.968, 306.039$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $56, 13.593, 124.377$, and the grayscale version is $51, 0.007, 296.813$.

A 20% lighter version of the original color is $70, 13.706, 306.726$, and $30, 13.919, 306.032$ is the 20% darker color. If you saturate the color by 10%, you get $45, 22.695, 306.632$, and if you desaturate by 10%, it is $55, 5.496, 305.496$.

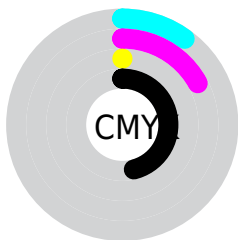
Distribution



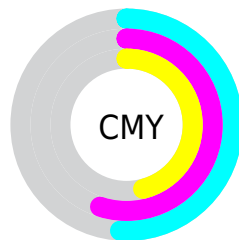
- Red (49%)
- Green (45%)
- Blue (54%)



- Red (49%)
- Yellow (45%)
- Blue (54%)



- Cyan (10%)
- Magenta (17%)
- Yellow (0%)
- Black (46%)





- Cyan (51%)
- Magenta (55%)
- Yellow (46%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 50, 13.968, 306.039 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, 13.968, 306.039 by changing the saturation by 10% instead.


 50, 13.968,
306.039


 50, 13.968,
306.039


 100, 13.968,
306.039


 40, 13.968,
306.039


 70, 13.968,
306.039

 30, 13.968,
306.039


 80, 13.968,
306.039


 20, 13.968,
306.039

 90, 13.968,
306.039

 10, 13.968,
306.039

 0, 13.968, 306.039

 50, 13.968,
306.039

 50, 13.968,
306.039

45, 22.695,
306.632

55, 5.496, 305.496

41, 31.648,
307.277

59, 2.708, 125.053

37, 40.756,
307.957

64, 10.647,
124.616

32, 49.873,
308.642

68, 18.330,
124.245

28, 58.743,
309.278

72, 25.770,
123.922

25, 66.936,
309.779

77, 32.978,
123.643

22, 73.835,
310.025

81, 39.969,
123.402

19, 78.979,
309.949

86, 46.754,
123.195

18, 80.683,

90, 53.346,
123.017

Harmonies

Complementary

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



50, 13.968, 306.039



56, 13.593, 124.377

Rectangle

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



50, 13.968, 306.039



50, 13.968, 356.039



50, 13.968, 126.039



50, 13.968, 176.039

Sweetspot

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



50, 13.967, 306.038



70, 5.081, 305.415



53, 7.266, 243.752



36, 3.456, 305.447



87, 0.010, 296.813



38, 0.005, 296.813

Same Dimension

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



50, 13.967, 306.038



62, 20.800, 306.255



51, 15.610, 322.001



27, 4.666, 305.627



18, 78.298, 310.005



0, 2.137, 305.181

Inverse Universe

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



51, 12.299, 339.443



63, 18.254, 339.751



55, 15.537, 140.395



27, 4.132, 338.847



28, 54.263, 351.255



0, 1.901, 338.224

Previews

White Background



This preview shows how the CIELCh color 50, 13.968, 306.039 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, 13.968, 306.039 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

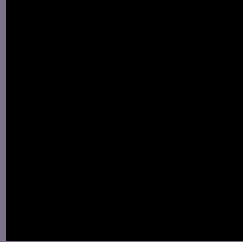
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 50, 13.968, 306.039

Background



This preview shows how black text looks on a background with the CIELCh color 50, 13.968, 306.039.



This preview shows how white text looks on a background with the CIELCh color 50, 13.968, 306.039.

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, 13.968, 306.039

Protanopia

50, 12.901, 286.894

Deuteranopia

50, 13.070, 300.132



Tritanopia
50, 5.657, 311.258

Trichromacy



Original Color
50, 13.968, 306.039

Protanomaly
50, 12.903, 293.498

Deuteranomaly
50, 13.133, 301.774

Tritanomaly
50, 8.687, 309.524

Monochromacy



Original Color
50, 13.968, 306.039

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, 13.968, 306.039 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(124, 115, 138)` looks like.

```
.text, #text, p{  
    color:rgb(124, 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(124, 115, 138) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(124, 115, 138) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 13.968, 306.039 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(124, 115, 138) }
```

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

```
.border{ border-color:rgb(124, 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(124, 115, 138)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(124, 115, 138); -webkit-box-  
shadow:4px 4px 4px 4px rgb(124, 115, 138);  
box-shadow:4px 4px 4px 4px rgb(124, 115,  
138) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 13.968, 306.039 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(124, 115, 138) }
```

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

```
.background{ background-color: rgb(124,  
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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