

Converting Colors

CIELCh(50, 10.420, 284.016)

Have a look what the booklet for
CIELCh(50, 10.420, 284.016)
contains.

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Color

CIELCh(50, 10.576, 285.422)

Conversions

Conversions Part 1

| Format | Color |
|---------------|---------------------------|
| Hex | 737688 |
| RGB | 115, 118, 136 |
| RGB Percent | 45%, 46%, 53% |
| CMY | 0.5486, 0.5368, 0.4662 |
| CMYK | 0.15, 0.13, 0.00, 0.47 |
| HSL | 231°, 8%, 49% |
| HSV | 231°, 15%, 53% |
| XYZ | 18.0307, 18.4187, 25.9425 |
| YIQ | 119.1550, -7.5660, 4.9620 |

Conversions

Conversions Part 2

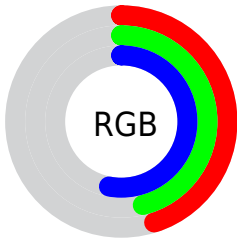
| Format | Color |
|-------------------------------------|------------------------------|
| R_{YB} | 115, 118, 136 |
| Decimal | 7566984 |
| CIE Lab | 50.00, 2.81, -10.20 |
| CIE LCh | 50, 10.576, 285.422 |
| Yxy | 18.4187, 0.2890, 0.2952 |
| Android (android.graphics.Color) | 4285757064 (0xFF737688) |
| YUV | 119.1550, 8.3046, -3.6439 |
| Hunter-Lab | 42.9170, -0.1113, -5.7979 |

Details

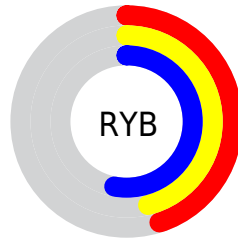
The CIELCh color $50, 10.576, 285.422$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $55, 10.339, 101.999$, and the grayscale version is $50, 0.007, 296.813$.

A 20% lighter version of the original color is $70, 10.448, 285.320$, and $30, 10.291, 285.383$ is the 20% darker color. If you saturate the color by 10%, you get $46, 17.715, 286.814$, and if you desaturate by 10%, it is $54, 3.667, 284.234$.

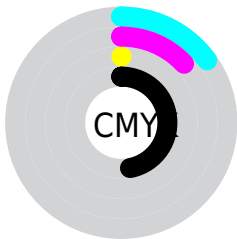
Distribution



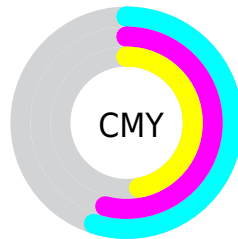
- Red (45%)
- Green (46%)
- Blue (53%)



- Red (45%)
- Yellow (46%)
- Blue (53%)



- Cyan (15%)
- Magenta (13%)
- Yellow (0%)
- Black (47%)





- Cyan (55%)
- Magenta (54%)
- Yellow (47%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 50, 10.576, 285.422 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, 10.576, 285.422 by changing the saturation by 10% instead.


 50, 10.576,
285.422


 50, 10.576,
285.422


 100, 10.576,
285.422


 40, 10.576,
285.422


 70, 10.576,
285.422

 30, 10.576,
285.422


 80, 10.576,
285.422


 20, 10.576,
285.422

 90, 10.576,
285.422

 10, 10.576,
285.422

 0, 10.576, 285.422

 50, 10.576,
285.422

 50, 10.576,
285.422

46, 17.715,
286.814

54, 3.667, 284.234

41, 25.106,
288.444

59, 3.027, 103.142

63, 9.520, 102.270

37, 32.770,
290.334

67, 15.824,
101.498

33, 40.719,
292.501

72, 21.950,
100.822

28, 48.935,
294.930

76, 27.907,
100.228

24, 57.311,
297.550

80, 33.703, 99.703

21, 65.555,
300.204

84, 39.346, 99.238

88, 44.844, 98.822

18, 73.079,
302.635

17, 76.104,

Harmonies

Complementary

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



50, 10.576, 285.422



55, 10.339, 101.999

Rectangle

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



50, 10.576, 285.422



50, 10.576, 335.422



50, 10.576, 105.422



50, 10.576, 155.422

Sweetspot

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



50, 10.575, 285.418



69, 4.163, 284.200



55, 8.256, 185.919



36, 2.865, 284.265



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, 10.575, 285.418



62, 16.162, 285.948



50, 12.682, 304.506



27, 3.867, 284.651



16, 74.529, 303.460



0, 1.772, 283.629

Inverse Universe

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



51, 8.826, 9.049



62, 13.555, 9.483



56, 12.348, 122.879



27, 3.200, 8.408



27, 58.487, 31.885



0, 1.448, 7.696

Previews

White Background



This preview shows how the CIE LCh color 50, 10.576, 285.422 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, 10.576, 285.422 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

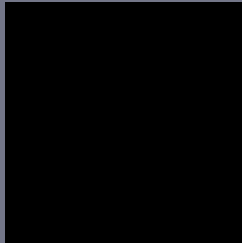
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

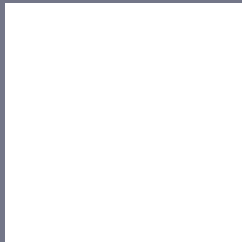
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 50, 10.576, 285.422

Background



This preview shows how black text looks on a background with the CIELCh color 50, 10.576, 285.422.



This preview shows how white text looks on a background with the CIELCh color 50, 10.576, 285.422.

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, 10.576, 285.422

Protanopia

50, 10.550, 287.447

Deuteranopia

50, 12.558, 302.198



Tritanopia
50, 6.123, 272.632

Trichromacy



Original Color
50, 10.576, 285.422

Protanomaly
50, 10.550, 287.447

Deuteranomaly
50, 11.757, 295.368

Tritanomaly
50, 7.801, 277.043

Monochromacy



Original Color
50, 10.576, 285.422

Achromatopsia
50, 0.007, 296.813

Achromatomaly
50, 3.528, 284.250

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 10.576, 285.422 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(115, 118, 136)` looks like.

```
.text, #text, p{  
    color:rgb(115, 118, 136)  
}
```

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(115, 118, 136) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(115, 118, 136) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 10.576, 285.422 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(115, 118, 136) }
```

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

```
.border{ border-color:rgb(115, 118, 136) }
```

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

Here you see how a box with a 4 pixel `rgb(115, 118, 136)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(115, 118, 136); -webkit-box-  
shadow:4px 4px 4px 4px rgb(115, 118, 136);  
box-shadow:4px 4px 4px 4px rgb(115, 118,  
136) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 10.576, 285.422 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(115, 118, 136) }
```

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

```
.background{ background-color: rgb(115,  
118, 136) }
```

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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