

# Converting Colors

CIELCh(50, 10.419, 259.633)

Have a look what the booklet for  
CIELCh(50, 10.419, 259.633)  
contains.

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# Color

**CIELCh(50, 10.224, 258.523)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	6A7988
RGB	106, 121, 136
RGB Percent	42%, 47%, 53%
CMY	0.5854, 0.5266, 0.4678
CMYK	0.22, 0.11, 0.00, 0.47
HSL	210°, 12%, 47%
HSV	210°, 22%, 53%
XYZ	17.1335, 18.4187, 25.8324
YIQ	118.2250, -13.7550, 1.4850

# Conversions

## Conversions Part 2

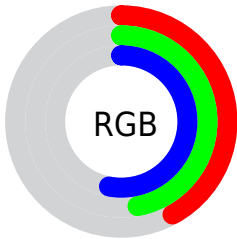
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	106, 116, 136
Decimal	6977928
CIE <sub>Lab</sub>	50.00, -2.03, -10.02
CIE <sub>LCh</sub>	50, 10.224, 258.523
Yxy	18.4187, 0.2791, 0.3001
Android (android.graphics.Color)	4285168008 (0xFF6A7988)
YUV	118.2250, 8.7631, -10.7213
Hunter-Lab	42.9170, -3.8431, -5.6458

# Details

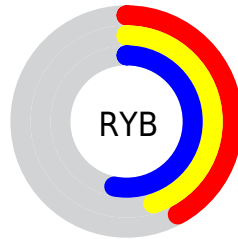
The CIELCh color **50, 10.224, 258.523** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **52, 10.820, 72.758**, and the grayscale version is **50, 0.007, 296.813**.

A 20% lighter version of the original color is **70, 10.117, 259.448**, and **30, 9.949, 256.004** is the 20% darker color. If you saturate the color by 10%, you get **47, 14.755, 260.324**, and if you desaturate by 10%, it is **53, 5.628, 257.005**.

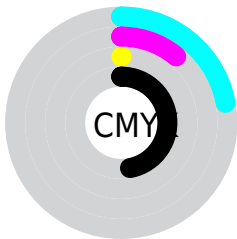
# Distribution



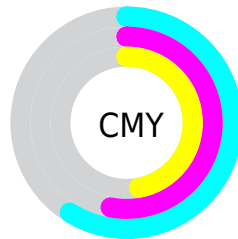
- Red (42%)
- Green (47%)
- Blue (53%)



- Red (42%)
- Yellow (45%)
- Blue (53%)



- Cyan (22%)
- Magenta (11%)
- Yellow (0%)
- Black (47%)




- Cyan (59%)
- Magenta (53%)
- Yellow (47%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 50, 10.224, 258.523 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, 10.224, 258.523 by changing the saturation by 10% instead.





 50, 10.224,  
258.523


 50, 10.224,  
258.523


 100, 10.224,  
258.523


 40, 10.224,  
258.523


 70, 10.224,  
258.523

 30, 10.224,  
258.523


 80, 10.224,  
258.523


 20, 10.224,  
258.523

 90, 10.224,  
258.523

 10, 10.224,  
258.523

 0, 10.224, 258.523

 50, 10.224,  
258.523

 50, 10.224,  
258.523

47, 14.755,  
260.324

53, 5.628, 257.005

44, 19.207,  
262.468

56, 0.985, 255.934

41, 23.573,  
265.003

59, 3.688, 74.466

39, 27.858,  
267.978

62, 8.376, 73.552

36, 32.086,  
271.417

65, 13.063, 72.738

33, 36.303,  
275.302

68, 17.740, 72.023

31, 40.575,  
279.546

71, 22.396, 71.394

29, 44.066,  
282.810

74, 27.023, 70.837

77, 31.616, 70.340

# Harmonies

# Complementary

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



50, 10.224, 258.523



52, 10.820, 72.758

# Rectangle

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



50, 10.224, 258.523



50, 10.224, 308.523



50, 10.224, 78.523



50, 10.224, 128.523

# Sweetspot

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



50, 10.223, 258.518



69, 4.036, 256.368



54, 14.816, 160.909



36, 2.642, 256.425



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, 10.223, 258.518



62, 15.390, 259.471



46, 17.558, 291.974



28, 2.660, 256.617



28, 43.242, 282.700



1, 1.240, 255.416





# Inverse Universe

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



48, 15.026, 345.523



59, 22.777, 346.072



56, 16.736, 107.417



27, 3.833, 344.334



28, 52.279, 0.712



0, 1.760, 343.641



# Previews

## White Background



This preview shows how the CIE LCh color 50, 10.224, 258.523 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 CIE LCh color 50, 10.224, 258.523 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

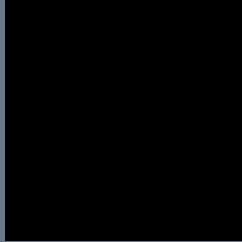
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

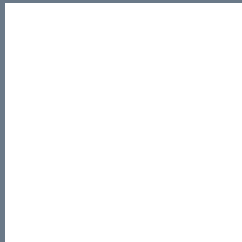
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**CIELCh 50, 10.224, 258.523**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 50, 10.224, 258.523.



This preview shows how white text looks on a background with the CIELCh color 50, 10.224, 258.523.

# 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

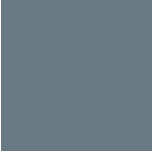
50, 10.224, 258.523

### Protanopia

50, 9.385, 286.757

### Deuteranopia

50, 12.558, 302.198



**Tritanopia**  
50, 8.255, 244.321



# Trichromacy



**Original Color**  
50, 10.224, 258.523

**Protanomaly**  
50, 9.662, 275.623

**Deuteranomaly**  
50, 11.133, 287.749

**Tritanomaly**  
50, 9.066, 250.016

# Monochromacy



**Original Color**  
50, 10.224, 258.523

**Achromatopsia**  
50, 0.007, 296.813

**Achromatomaly**  
50, 3.492, 256.481

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 50, 10.224, 258.523 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(106, 121, 136)` looks like.

```
.text, #text, p{  
    color:rgb(106, 121, 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(106, 121, 136) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 121, 136) }
```

## Border

The CSS property to change the border of an element to CIELCh 50, 10.224, 258.523 is called "border". The border property can be set on classes, ids or directly on the HTML element.

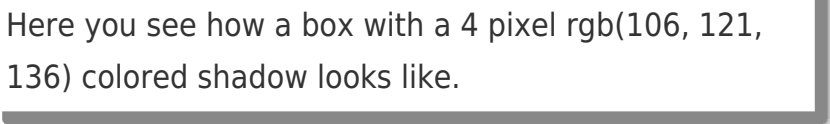
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(106, 121, 136) }
```

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

```
.border{ border-color:rgb(106, 121, 136) }
```

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



Here you see how a box with a 4 pixel `rgb(106, 121, 136)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(106, 121, 136); -webkit-box-shadow:4px 4px 4px 4px rgb(106, 121, 136); box-shadow:4px 4px 4px 4px rgb(106, 121, 136) }
```

# Background

The CSS property to change the background color of an element to CIELCh 50, 10.224, 258.523 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(106, 121, 136) }
```

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

```
.background{ background-color: rgb(106,  
121, 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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