

Converting Colors

CIELCh(50, 28.278, 249.596)

Have a look what the booklet for
CIELCh(50, 28.278, 249.596)
contains.

CIELCh(50, 28.130, 249.033)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(50, 28.130, 249.033)

Conversions

Conversions Part 1

Format	Color
Hex	387EA3
RGB	56, 126, 163
RGB Percent	22%, 49%, 64%
CMY	0.7802, 0.5057, 0.3606
CMYK	0.66, 0.23, 0.00, 0.36
HSL	201°, 49%, 43%
HSV	201°, 66%, 64%
XYZ	15.7131, 18.4187, 37.3953
YIQ	109.2880, -53.5970, -3.3330

Conversions

Conversions Part 2

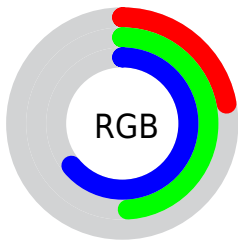
Format	Color
RYB	56, 98, 163
Decimal	3702435
CIELab	50.00, -10.07, -26.27
CIElCh	50, 28.130, 249.033
Yxy	18.4187, 0.2197, 0.2575
Android (android.graphics.Color)	4281892515 (0xFF387EA3)
YUV	109.2880, 26.4800, -46.7336
Hunter-Lab	42.9170, -9.7509, -21.6200

Details

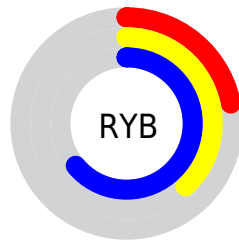
The CIELCh color **50, 28.130, 249.033** is a dark color, and the websafe version is hex **3399CC**. A complement of this color would be **47, 41.683, 52.846**, and the grayscale version is **46, 0.006, 296.813**.

A 20% lighter version of the original color is **70, 28.034, 248.489**, and **31, 26.223, 254.720** is the 20% darker color. If you saturate the color by 10%, you get **48, 31.187, 252.604**, and if you desaturate by 10%, it is **52, 24.721, 246.069**.

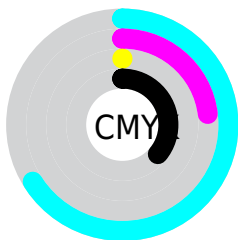
Distribution



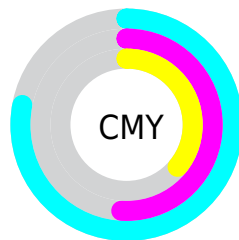
- Red (22%)
- Green (49%)
- Blue (64%)



- Red (22%)
- Yellow (38%)
- Blue (64%)



- Cyan (66%)
- Magenta (23%)
- Yellow (0%)
- Black (36%)





- Cyan (78%)
- Magenta (51%)
- Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 50, 28.130, 249.033 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, 28.130, 249.033 by changing the saturation by 10% instead.


 50, 28.130,
249.033


 50, 28.130,
249.033


 100, 28.130,
249.033


 40, 28.130,
249.033


 70, 28.130,
249.033

 30, 28.130,
249.033


 80, 28.130,
249.033


 20, 28.130,
249.033

 90, 28.130,
249.033

 10, 28.130,
249.033

 0, 28.130, 249.033

 50, 28.130,
249.033

 50, 28.130,
249.033

48, 31.187,
252.604

52, 24.721,
246.069

46, 33.953,
256.806

55, 20.948,
243.646

44, 36.544,
261.570

57, 16.830,
241.682

43, 37.710,
263.633

60, 12.407,
240.100

63, 7.724, 238.835

65, 2.830, 237.888

68, 2.228, 56.713

71, 7.412, 56.154

74, 12.687, 55.614

Harmonies

Complementary

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



50, 28.130, 249.033



47, 41.683, 52.846

Rectangle

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



50, 28.130, 249.033



50, 28.130, 299.033



50, 28.130, 69.033



50, 28.130, 119.033

Sweetspot

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



50, 28.129, 249.033



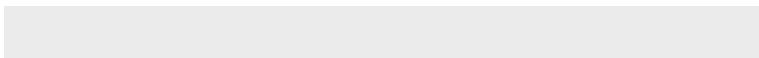
78, 12.113, 239.399



60, 54.516, 148.720



41, 8.283, 239.746



93, 0.011, 296.813



45, 0.006, 296.813

Same Dimension

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



50, 28.129, 249.033



60, 39.530, 254.561



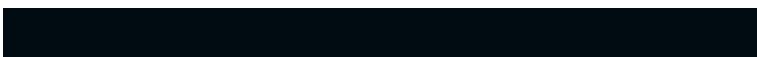
35, 55.296, 294.159



33, 2.832, 238.185



38, 34.457, 263.088



3, 4.542, 244.326

Inverse Universe

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



41, 53.958, 342.094



50, 74.102, 344.251



60, 48.355, 94.878



32, 4.915, 336.812



32, 59.293, 347.888



1, 7.282, 338.791

Previews

White Background



This preview shows how the CIE LCh color 50, 28.130, 249.033 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, 28.130, 249.033 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, 28.130, 249.033

Background



This preview shows how black text looks on a background with the CIELCh color 50, 28.130, 249.033.

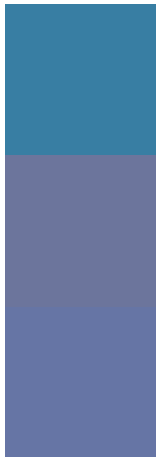


This preview shows how white text looks on a background with the CIELCh color 50, 28.130, 249.033.

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, 28.130, 249.033

Protanopia

50, 22.948, 285.365

Deuteranopia

50, 28.332, 283.827



Tritanopia
50, 25.370, 211.935

Trichromacy



Original Color
50, 28.130, 249.033

Protanomaly
50, 24.459, 269.084

Deuteranomaly
50, 27.423, 270.147

Tritanomaly
50, 25.258, 225.300

Monochromacy



Original Color
50, 28.130, 249.033

Achromatopsia
46, 0.006, 296.813

Achromatomaly
47, 12.037, 242.464

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 28.130, 249.033 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(56, 126, 163)` looks like.

```
.text, #text, p{  
    color:rgb(56, 126, 163)  
}
```

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(56, 126, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(56, 126, 163) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 28.130, 249.033 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(56, 126, 163) }
```

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

```
.border{ border-color:rgb(56, 126, 163) }
```

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

Here you see how a box with a 4 pixel `rgb(56, 126, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(56, 126, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(56, 126, 163);  
box-shadow:4px 4px 4px 4px rgb(56, 126,  
163) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 28.130, 249.033 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(56, 126, 163) }
```

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

```
.background{ background-color: rgb(56, 126,  
163) }
```

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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