

Converting Colors

CIELCh(50, 21.056, 213.778)

Have a look what the booklet for
CIELCh(50, 21.056, 213.778)
contains.

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Color

CIELCh(50, 21.070, 213.751)

Conversions

Conversions Part 1

Format	Color
Hex	40808A
RGB	64, 128, 138
RGB Percent	25%, 50%, 54%
CMY	0.7483, 0.4974, 0.4581
CMYK	0.54, 0.07, 0.00, 0.46
HSL	188°, 37%, 40%
HSV	188°, 54%, 54%
XYZ	14.4673, 18.4187, 26.9026
YIQ	110.0040, -41.3540, -10.4580

Conversions

Conversions Part 2

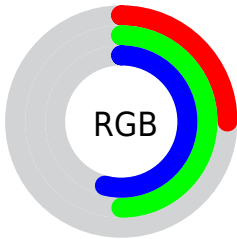
Format	Color
R _{YB}	64, 98, 138
Decimal	4227210
CIE _{Lab}	50.00, -17.52, -11.71
CIE _{LCh}	50, 21.070, 213.751
Y _{xy}	18.4187, 0.2420, 0.3081
Android (android.graphics.Color)	4282417290 (0xFF40808A)
YUV	110.0040, 13.8020, -40.3455
Hunter-Lab	42.9170, -14.9326, -7.1242

Details

The CIELCh color **50, 21.070, 213.751** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **39, 31.595, 34.706**, and the grayscale version is **46, 0.006, 296.813**.

A 20% lighter version of the original color is **70, 21.002, 213.126**, and **30, 20.631, 213.174** is the 20% darker color. If you saturate the color by 10%, you get **49, 23.548, 214.655**, and if you desaturate by 10%, it is **51, 18.038, 213.103**.

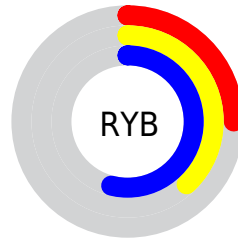
Distribution



Red (25%)

Green (50%)

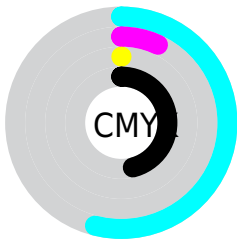
Blue (54%)



Red (25%)

Yellow (38%)

Blue (54%)

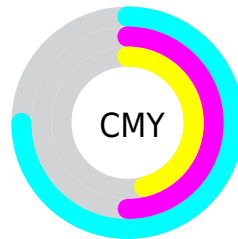


Cyan (54%)

Magenta (7%)

Yellow (0%)

Black (46%)



Cyan (75%)


Magenta (50%)


Yellow (46%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 50, 21.070, 213.751 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, 21.070, 213.751 by changing the saturation by 10% instead.


 50, 21.070,
213.751


 50, 21.070,
213.751


 100, 21.070,
213.751


 40, 21.070,
213.751


 70, 21.070,
213.751

 30, 21.070,
213.751


 80, 21.070,
213.751


 20, 21.070,
213.751

 90, 21.070,
213.751

 10, 21.070,
213.751

 0, 21.070, 213.751

 50, 21.070,
213.751

 50, 21.070,
213.751

■ 49, 23.548,
214.655

■ 51, 18.038,
213.103

■ 48, 25.434,
215.870

■ 52, 14.513,
212.671

■ 47, 26.719,
217.447

■ 54, 10.565,
212.417

■ 46, 27.439,
219.434

■ 55, 6.265, 212.317

■ 46, 27.776,
220.813

■ 57, 1.683, 212.482

■ 59, 3.120, 32.165

■ 60, 8.089, 32.382

■ 62, 13.178, 32.586

■ 64, 18.350, 32.817

Harmonies

Complementary

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



50, 21.070, 213.751



39, 31.595, 34.706

Rectangle

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



50, 21.070, 213.751



50, 21.070, 263.751



50, 21.070, 33.751



50, 21.070, 83.751

Sweetspot

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



50, 21.070, 213.749



70, 9.048, 212.329



52, 46.372, 143.750



36, 6.053, 212.343



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, 21.070, 213.749



62, 28.886, 214.850



39, 29.437, 278.192



28, 2.632, 212.328



44, 26.965, 220.705



1, 1.251, 212.265

Inverse Universe

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



39, 46.000, 331.516



47, 65.278, 332.213



48, 30.291, 81.396



27, 4.957, 328.860



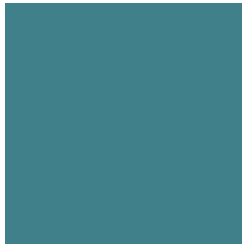
30, 64.156, 334.268



0, 2.287, 328.362

Previews

White Background



This preview shows how the CIELCh color 50, 21.070, 213.751 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, 21.070, 213.751 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

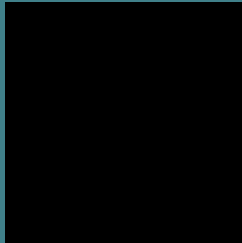
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

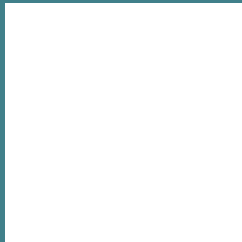
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 50, 21.070, 213.751

Background



This preview shows how black text looks on a background with the CIELCh color 50, 21.070, 213.751.

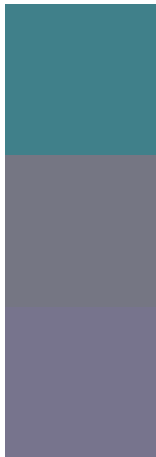


This preview shows how white text looks on a background with the CIELCh color 50, 21.070, 213.751.

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, 21.070, 213.751

Protanopia

50, 7.616, 288.279

Deuteranopia

50, 14.725, 296.404



Tritanopia
50, 21.070, 213.751

Trichromacy



Original Color
50, 21.070, 213.751

Protanomaly
50, 11.022, 238.529

Deuteranomaly
49, 13.675, 258.444

Tritanomaly
50, 21.070, 213.751

Monochromacy



Original Color
50, 21.070, 213.751

Achromatopsia
46, 0.006, 296.813

Achromatomaly
48, 9.203, 209.632

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 21.070, 213.751 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(64, 128, 138)` looks like.

```
.text, #text, p{  
    color:rgb(64, 128, 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(64, 128, 138) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(64, 128, 138) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 21.070, 213.751 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(64, 128, 138) }
```

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

```
.border{ border-color:rgb(64, 128, 138) }
```

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

Here you see how a box with a 4 pixel `rgb(64, 128, 138)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(64, 128, 138); -webkit-box-  
shadow:4px 4px 4px 4px rgb(64, 128, 138);  
box-shadow:4px 4px 4px 4px rgb(64, 128,  
138) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 21.070, 213.751 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(64, 128, 138) }
```

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

```
.background{ background-color: rgb(64, 128,  
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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