

Converting Colors

CIELCh(50, 17.316, 219.575)

Have a look what the booklet for
CIELCh(50, 17.316, 219.575)
contains.

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Color

CIELCh(50, 17.243, 220.005)

Conversions

Conversions Part 1

Format	Color
Hex	4E7E89
RGB	78, 126, 137
RGB Percent	31%, 49%, 54%
CMY	0.6933, 0.5050, 0.4619
CMYK	0.43, 0.08, 0.00, 0.46
HSL	191°, 27%, 42%
HSV	191°, 43%, 54%
XYZ	15.1795, 18.4187, 26.5049
YIQ	112.9020, -32.1390, -6.7550

Conversions

Conversions Part 2

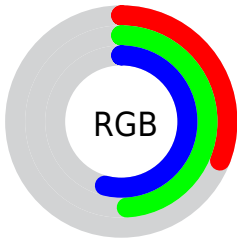
Format	Color
R _Y B	78, 104, 137
Decimal	5144201
CIE Lab	50.00, -13.21, -11.08
CIE LCh	50, 17.243, 220.005
Yxy	18.4187, 0.2526, 0.3065
Android (android.graphics.Color)	4283334281 (0xFF4E7E89)
YUV	112.9020, 11.8803, -30.6091
Hunter-Lab	42.9170, -11.9703, -6.5748

Details

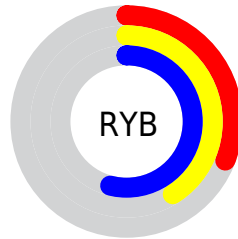
The CIELCh color **50, 17.243, 220.005** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **43, 23.419, 38.243**, and the grayscale version is **48, 0.006, 296.813**.

A 20% lighter version of the original color is **70, 17.275, 218.765**, and **30, 17.152, 219.464** is the 20% darker color. If you saturate the color by 10%, you get **49, 20.246, 221.071**, and if you desaturate by 10%, it is **52, 13.789, 219.214**.

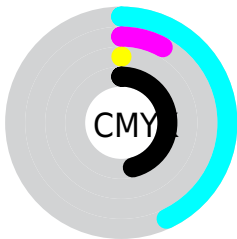
Distribution



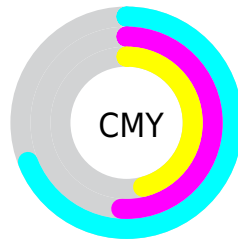
- Red (31%)
- Green (49%)
- Blue (54%)



- Red (31%)
- Yellow (41%)
- Blue (54%)



- Cyan (43%)
- Magenta (8%)
- Yellow (0%)
- Black (46%)





- Cyan (69%)
- Magenta (51%)
- Yellow (46%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 50, 17.243, 220.005 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, 17.243, 220.005 by changing the saturation by 10% instead.


 50, 17.243,
220.005


 50, 17.243,
220.005


 100, 17.243,
220.005


 40, 17.243,
220.005


 70, 17.243,
220.005

 30, 17.243,
220.005


 80, 17.243,
220.005


 20, 17.243,
220.005

 90, 17.243,
220.005

 10, 17.243,
220.005

 0, 17.243, 220.005

 50, 17.243,
220.005

 50, 17.243,
220.005

49, 20.246,
221.071

52, 13.789,
219.214

47, 22.742,
222.483

53, 9.948, 218.655

46, 24.698,
224.308

55, 5.787, 218.292

57, 1.368, 218.271

45, 26.110,
226.621

58, 3.253, 37.699

44, 27.018,
229.481

60, 8.028, 37.718

62, 12.916, 37.746

43, 27.531,
231.633

64, 17.883, 37.814

66, 22.902, 37.915

Harmonies

Complementary

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



50, 17.243, 220.005



43, 23.419, 38.243

Rectangle

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



50, 17.243, 220.005



50, 17.243, 270.005



50, 17.243, 40.005



50, 17.243, 90.005

Sweetspot

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



50, 17.243, 220.002



70, 7.169, 218.300



52, 36.202, 146.505



36, 4.971, 218.357



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, 17.243, 220.002



62, 24.604, 221.089



41, 24.932, 279.456



28, 2.544, 218.210



42, 26.852, 231.505



1, 1.208, 217.933

Inverse Universe

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



42, 36.170, 332.743



50, 53.247, 333.426



51, 24.880, 87.035



27, 4.781, 330.573



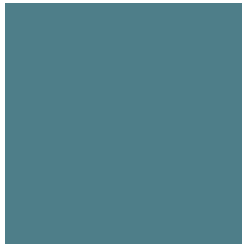
29, 61.750, 337.046



0, 2.205, 330.057

Previews

White Background



This preview shows how the CIE LCh color 50, 17.243, 220.005 looks on a white 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

Black Background



This preview shows how the CIE LCh color 50, 17.243, 220.005 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

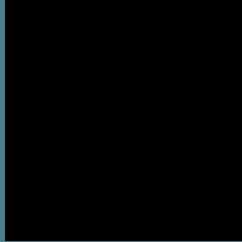
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 50, 17.243, 220.005

Background



This preview shows how black text looks on a background with the CIELCh color 50, 17.243, 220.005.

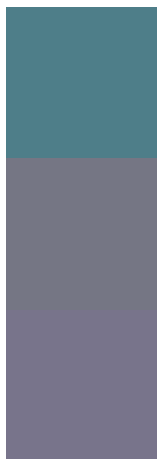


This preview shows how white text looks on a background with the CIELCh color 50, 17.243, 220.005.

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, 17.243, 220.005

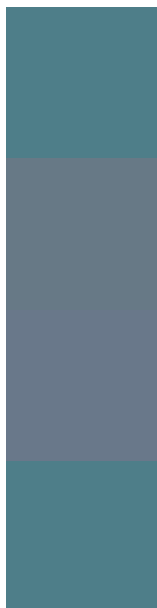
Protanopia
50, 8.200, 288.568

Deuteranopia
50, 13.599, 298.247



Tritanopia
50, 17.243, 220.005

Trichromacy



Original Color
50, 17.243, 220.005

Protanomaly
50, 9.937, 249.198

Deuteranomaly
50, 11.718, 263.658

Tritanomaly
50, 17.243, 220.005

Monochromacy



Original Color
50, 17.243, 220.005

Achromatopsia
48, 0.006, 296.813

Achromatomaly
48, 7.214, 217.875

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 17.243, 220.005 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(78, 126, 137)` looks like.

```
.text, #text, p{  
    color:rgb(78, 126, 137)  
}
```

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(78, 126, 137) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(78, 126, 137) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 17.243, 220.005 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(78, 126, 137) }
```

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

```
.border{ border-color:rgb(78, 126, 137) }
```

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

Here you see how a box with a 4 pixel `rgb(78, 126, 137)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(78, 126, 137); -webkit-box-  
shadow:4px 4px 4px 4px rgb(78, 126, 137);  
box-shadow:4px 4px 4px 4px rgb(78, 126,  
137) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 17.243, 220.005 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(78, 126, 137) }
```

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

```
.background{ background-color: rgb(78, 126,  
137) }
```

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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