

Converting Colors

CIELCh(50, 16.718, 221.773)

Have a look what the booklet for
CIELCh(50, 16.718, 221.773)
contains.

CIELCh(50, 16.718, 220.781)	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, 16.718, 220.781)

Conversions

Conversions Part 1

Format	Color
Hex	507E89
RGB	80, 126, 137
RGB Percent	31%, 49%, 54%
CMY	0.6864, 0.5060, 0.4629
CMYK	0.42, 0.08, 0.00, 0.46
HSL	192°, 26%, 43%
HSV	192°, 42%, 54%
XYZ	15.2718, 18.4187, 26.3999
YIQ	113.5000, -30.9470, -6.3310

Conversions

Conversions Part 2

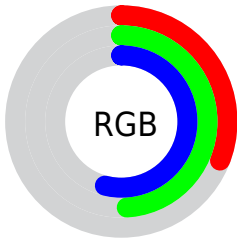
Format	Color
RYB	80, 105, 137
Decimal	5275273
CIELab	50.00, -12.66, -10.92
CIElCh	50, 16.718, 220.781
Yxy	18.4187, 0.2541, 0.3065
Android (android.graphics.Color)	4283465353 (0xFF507E89)
YUV	113.5000, 11.5855, -29.3795
Hunter-Lab	42.9170, -11.5863, -6.4298

Details

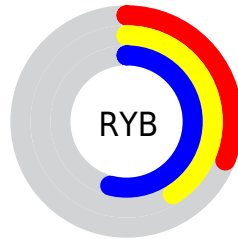
The CIELCh color **50, 16.718, 220.781** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **43, 22.416, 38.787**, and the grayscale version is **48, 0.006, 296.813**.

A 20% lighter version of the original color is **70, 16.713, 219.525**, and **30, 16.785, 220.019** is the 20% darker color. If you saturate the color by 10%, you get **49, 19.781, 221.859**, and if you desaturate by 10%, it is **52, 13.218, 219.978**.

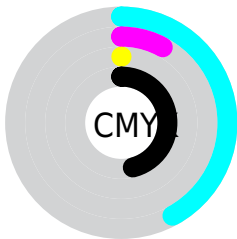
Distribution



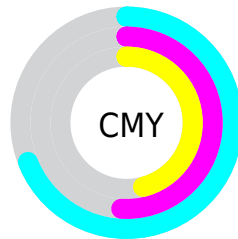
- Red (31%)
- Green (49%)
- Blue (54%)



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



- Cyan (42%)
- Magenta (8%)
- Yellow (0%)
- Black (46%)





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


Brightness & Saturation Gradients


These gradients show how the CIELCh color 50, 16.718, 220.781 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, 16.718, 220.781 by changing the saturation by 10% instead.


 50, 16.718,
220.781


 50, 16.718,
220.781


 100, 16.718,
220.781


 40, 16.718,
220.781


 70, 16.718,
220.781

 30, 16.718,
220.781


 80, 16.718,
220.781


 20, 16.718,
220.781

 90, 16.718,
220.781

 10, 16.718,
220.781

 0, 16.718, 220.781

 50, 16.718,
220.781

 50, 16.718,
220.781

■ 49, 19.781,
221.859

■ 52, 13.218,
219.978

■ 47, 22.352,
223.283

■ 53, 9.345, 219.408

■ 46, 24.394,
225.124

■ 55, 5.164, 219.038

■ 57, 0.737, 219.252

■ 45, 25.898,
227.455

■ 59, 3.884, 38.430

■ 44, 26.900,
230.342

■ 61, 8.650, 38.417

■ 63, 13.523, 38.427

■ 43, 27.544,
233.014

■ 65, 18.470, 38.479

■ 67, 23.465, 38.565

Harmonies

Complementary

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



50, 16.718, 220.781



43, 22.416, 38.787

Rectangle

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



50, 16.718, 220.781



50, 16.718, 270.781



50, 16.718, 40.781



50, 16.718, 90.781

Sweetspot

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



50, 16.718, 220.778



70, 6.612, 219.056



52, 35.026, 146.653



36, 4.356, 219.087



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, 16.718, 220.778



62, 23.851, 221.796



42, 24.062, 279.151



28, 2.535, 218.982



42, 26.901, 232.888



1, 1.203, 218.678

Inverse Universe

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



42, 34.857, 332.896



51, 51.208, 333.541



51, 24.023, 87.219



27, 4.759, 330.799



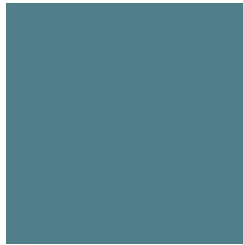
29, 61.457, 337.419



0, 2.195, 330.281

Previews

White Background



This preview shows how the CIELCh color 50, 16.718, 220.781 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, 16.718, 220.781 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

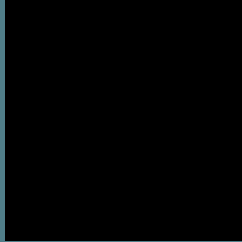
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 50, 16.718, 220.781

Background



This preview shows how black text looks on a background with the CIELCh color 50, 16.718, 220.781.



This preview shows how white text looks on a background with the CIELCh color 50, 16.718, 220.781.

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, 16.718, 220.781

Protanopia

50, 8.200, 288.568

Deuteranopia

50, 13.599, 298.247



Tritanopia
50, 16.589, 218.754

Trichromacy



Original Color
50, 16.718, 220.781

Protanomaly
50, 9.715, 250.807

Deuteranomaly
50, 11.718, 263.658

Tritanomaly
50, 16.589, 218.754

Monochromacy



Original Color
50, 16.718, 220.781

Achromatopsia
48, 0.006, 296.813

Achromatomaly
48, 6.869, 218.908

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 16.718, 220.781 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(80, 126, 137)` looks like.

```
.text, #text, p{  
    color:rgb(80, 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(80, 126, 137) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 126, 137) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 16.718, 220.781 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(80, 126, 137) }
```

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

```
.border{ border-color:rgb(80, 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(80, 126, 137)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 126, 137); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 126, 137);  
box-shadow:4px 4px 4px 4px rgb(80, 126,  
137) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 16.718, 220.781 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 126, 137) }
```

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

```
.background{ background-color: rgb(80, 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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