

Converting Colors

CIELCh(50, 21.756, 118.928)

Have a look what the booklet for
CIELCh(50, 21.756, 118.928)
contains.

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Color

CIELCh(50, 21.756, 118.928)

Conversions

Conversions Part 1

Format	Color
Hex	717B56
RGB	113, 123, 86
RGB Percent	44%, 48%, 34%
CMY	0.5560, 0.5168, 0.6619
CMYK	0.08, 0.00, 0.30, 0.52
HSL	76°, 18%, 41%
HSV	76°, 30%, 48%
XYZ	15.6346, 18.4187, 11.5779
YIQ	115.7920, 5.9170, -13.6270

Conversions

Conversions Part 2

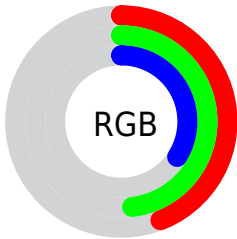
Format	Color
R _Y B	86, 123, 96
Decimal	7437142
CIE Lab	50.00, -10.52, 19.04
CIE LCh	50, 21.756, 118.928
Yxy	18.4187, 0.3426, 0.4036
Android (android.graphics.Color)	4285627222 (0xFF717B56)
YUV	115.7920, -14.6875, -2.4486
Hunter-Lab	42.9170, -10.0775, 14.0469

Details

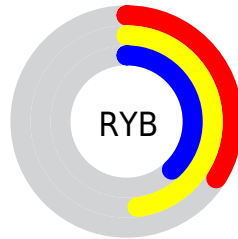
The CIELCh color **50, 21.756, 118.928** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **39, 23.092, 302.736**, and the grayscale version is **49, 0.007, 296.813**.

A 20% lighter version of the original color is **70, 21.526, 118.789**, and **30, 21.715, 119.189** is the 20% darker color. If you saturate the color by 10%, you get **50, 28.793, 118.359**, and if you desaturate by 10%, it is **51, 14.573, 119.521**.

Distribution



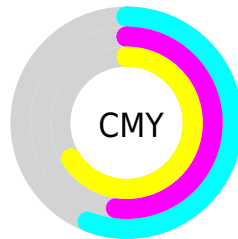
- Red (44%)
- Green (48%)
- Blue (34%)



- Red (34%)
- Yellow (48%)
- Blue (38%)



- Cyan (8%)
- Magenta (0%)
- Yellow (30%)
- Black (52%)





- Cyan (56%)
- Magenta (52%)
- Yellow (66%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 50, 21.756, 118.928 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, 21.756, 118.928 by changing the saturation by 10% instead.


 50, 21.756,
118.928


 50, 21.756,
118.928


 100, 21.756,
118.928


 40, 21.756,
118.928


 70, 21.756,
118.928

 30, 21.756,
118.928


 80, 21.756,
118.928


 20, 21.756,
118.928

 90, 21.756,
118.928

 10, 21.756,
118.928

 0, 21.756, 118.928

 50, 21.756,
118.928

 50, 21.756,
118.928

■ 50, 28.793,
118.359

■ 51, 14.573,
119.521

■ 49, 35.576,
117.837

■ 51, 7.312, 120.109

■ 49, 41.953,
117.408

■ 52, 0.022, 121.894

■ 52, 7.263, 301.221

■ 48, 47.707,
117.139

■ 53, 14.516,
301.742

■ 48, 52.554,
117.112

■ 54, 21.720,
302.230

■ 48, 56.196,
117.423

■ 55, 28.862,
302.685

■ 47, 58.978,
117.943

■ 55, 35.930,
303.108

■ 56, 42.918,
303.500

Harmonies

Complementary

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



50, 21.756, 118.928



39, 23.092, 302.736

Rectangle

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



50, 21.756, 118.928



50, 21.756, 168.928



50, 21.756, 298.928



50, 21.756, 348.928

Sweetspot

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



50, 21.757, 118.931



65, 8.144, 120.157



43, 13.632, 46.191



34, 5.703, 120.085



84, 0.010, 296.813



35, 0.005, 296.813

Same Dimension

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



50, 21.757, 118.931



64, 32.250, 118.536



49, 24.634, 136.355



26, 4.080, 120.166



48, 59.580, 117.962



92, 100.699, 118.672

Inverse Universe

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



39, 23.092, 302.736



47, 34.776, 303.314



41, 25.026, 319.054



23, 4.154, 301.216



14, 76.633, 308.251



35, 129.787, 307.802

Previews

White Background



This preview shows how the CIE LCh color 50, 21.756, 118.928 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, 21.756, 118.928 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

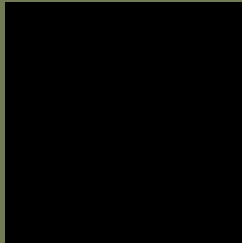
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

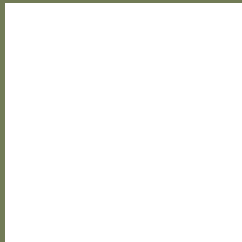
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 50, 21.756, 118.928

Background



This preview shows how black text looks on a background with the CIELCh color 50, 21.756, 118.928.



This preview shows how white text looks on a background with the CIELCh color 50, 21.756, 118.928.

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, 21.756, 118.928

Protanopia

50, 20.657, 96.240

Deuteranopia

50, 19.318, 70.936



Tritanopia
50, 5.293, 295.106

Trichromacy



Original Color
50, 21.756, 118.928

Protanomaly
50, 20.777, 104.989

Deuteranomaly
50, 18.412, 89.485

Tritanomaly
50, 4.831, 124.279

Monochromacy



Original Color
50, 21.756, 118.928

Achromatopsia
49, 0.007, 296.813

Achromatomaly
49, 8.346, 120.612

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 21.756, 118.928 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(113, 123, 86)` looks like.

```
.text, #text, p{  
    color:rgb(113, 123, 86)  
}
```

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(113, 123, 86) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(113, 123, 86) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 21.756, 118.928 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(113, 123, 86) }
```

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

```
.border{ border-color:rgb(113, 123, 86) }
```

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

Here you see how a box with a 4 pixel `rgb(113, 123, 86)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(113, 123, 86); -webkit-box-  
shadow:4px 4px 4px 4px rgb(113, 123, 86);  
box-shadow:4px 4px 4px 4px rgb(113, 123,  
86) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 21.756, 118.928 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(113, 123, 86) }
```

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

```
.background{ background-color: rgb(113,  
123, 86) }
```

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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