

Converting Colors

CIELCh(50, 13.042, 337.833)

Have a look what the booklet for
CIELCh(50, 13.042, 337.833)
contains.

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Color

CIELCh(50, 13.406, 336.879)

Conversions

Conversions Part 1

Format	Color
Hex	887080
RGB	136, 112, 128
RGB Percent	53%, 44%, 50%
CMY	0.4662, 0.5603, 0.4976
CMYK	0.00, 0.18, 0.06, 0.47
HSL	320°, 10%, 49%
HSV	320°, 18%, 53%
XYZ	19.8826, 18.4187, 22.9688
YIQ	121.0000, 9.1680, 10.0640

Conversions

Conversions Part 2

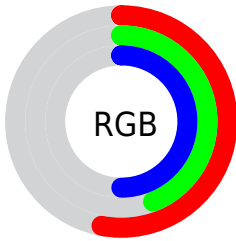
Format	Color
R_{YB}	136, 112, 128
Decimal	8941696
CIE Lab	50.00, 12.33, -5.26
CIE LCh	50, 13.406, 336.879
Yxy	18.4187, 0.3245, 0.3006
Android (android.graphics.Color)	4287131776 (0xFF887080)
YUV	121.0000, 3.4510, 13.1550
Hunter-Lab	42.9170, 7.5908, -1.6896

Details

The CIELCh color $50, 13.406, 336.879$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $55, 13.285, 154.391$, and the grayscale version is $51, 0.007, 296.813$.

A 20% lighter version of the original color is $70, 13.236, 336.005$, and $30, 13.504, 336.720$ is the 20% darker color. If you saturate the color by 10%, you get $46, 21.076, 337.654$, and if you desaturate by 10%, it is $54, 5.761, 336.139$.

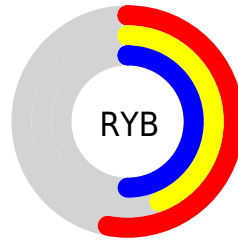
Distribution



Red (53%)

Green (44%)

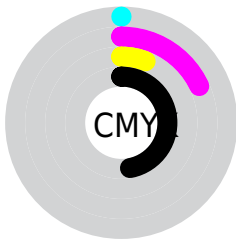
Blue (50%)



Red (53%)

Yellow (44%)

Blue (50%)

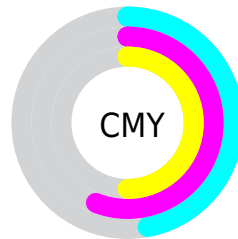


Cyan (0%)

Magenta (18%)

Yellow (6%)

Black (47%)



Cyan (47%)


Magenta (56%)


Yellow (50%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 50, 13.406, 336.879 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, 13.406, 336.879 by changing the saturation by 10% instead.


 50, 13.406,
336.879


 50, 13.406,
336.879


 100, 13.406,
336.879


 40, 13.406,
336.879


 70, 13.406,
336.879

 30, 13.406,
336.879


 80, 13.406,
336.879


 20, 13.406,
336.879

 90, 13.406,
336.879

 10, 13.406,
336.879

 0, 13.406, 336.879

 50, 13.406,
336.879

 50, 13.406,
336.879

46, 21.076,
337.654

54, 5.761, 336.139

43, 28.630,
338.485

58, 1.761, 155.664

40, 35.858,
339.391

62, 9.105, 154.915

37, 42.478,
340.396

66, 16.244,
154.311

34, 48.153,
341.537

70, 23.166,
153.750

32, 52.532,
342.866

74, 29.871,
153.224

31, 55.336,
344.456

78, 36.366,
152.731

30, 56.700,
346.334

82, 42.662,
152.267

29, 56.999,

86, 48.770,
151.830

346.784

Harmonies

Complementary

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



50, 13.406, 336.879



55, 13.285, 154.391

Rectangle

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



50, 13.406, 336.879



50, 13.406, 26.879



50, 13.406, 156.879



50, 13.406, 206.879

Sweetspot

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



50, 13.404, 336.880



69, 4.645, 335.943



49, 14.512, 304.050



36, 3.195, 335.992



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, 13.404, 336.880



62, 19.723, 337.170



50, 10.203, 7.450



27, 4.305, 336.253



29, 55.955, 346.722



0, 1.983, 335.664

Inverse Universe

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



50, 13.404, 336.880



62, 19.723, 337.170



55, 9.465, 184.381



27, 4.305, 336.253



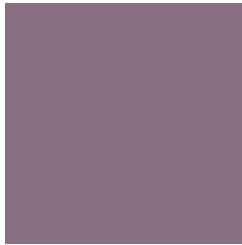
29, 55.955, 346.722



0, 1.983, 335.664

Previews

White Background



This preview shows how the CIELCh color 50, 13.406, 336.879 looks on a white background.

Color Contrast Check

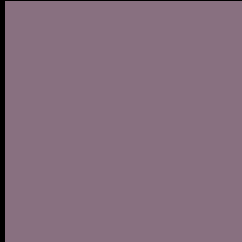
Large Text (above 18pt) WCAG AA ✓ Pass

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, 13.406, 336.879 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

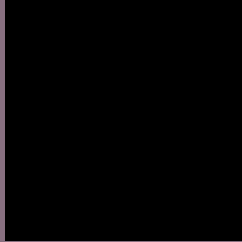
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

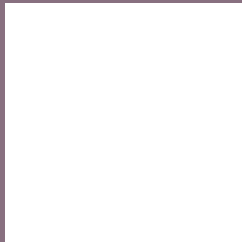
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 50, 13.406, 336.879

Background



This preview shows how black text looks on a background with the CIELCh color 50, 13.406, 336.879.



This preview shows how white text looks on a background with the CIELCh color 50, 13.406, 336.879.

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, 13.406, 336.879

Protanopia

50, 8.200, 288.568

Deuteranopia

50, 7.813, 324.873



Tritanopia
50, 10.375, 350.301

Trichromacy



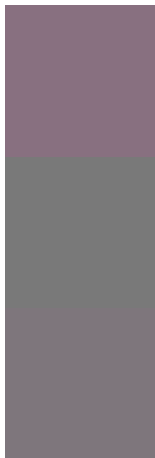
Original Color
50, 13.406, 336.879

Protanomaly
50, 9.367, 310.697

Deuteranomaly
50, 9.250, 331.196

Tritanomaly
50, 10.976, 344.981

Monochromacy



Original Color
50, 13.406, 336.879

Achromatopsia
51, 0.007, 296.813

Achromatomaly
51, 4.771, 332.684

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 13.406, 336.879 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(136, 112, 128)` looks like.

```
.text, #text, p{  
    color:rgb(136, 112, 128)  
}
```

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(136, 112, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 112, 128) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 13.406, 336.879 is called "border". The border property can be set on classes, ids or directly on the HTML element.

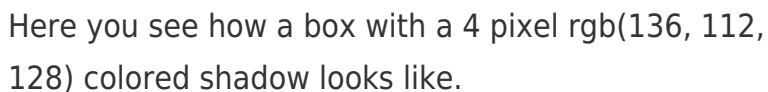
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(136, 112, 128) }
```

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

```
.border{ border-color:rgb(136, 112, 128) }
```

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



Here you see how a box with a 4 pixel `rgb(136, 112, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(136, 112, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(136, 112, 128);  
box-shadow:4px 4px 4px 4px rgb(136, 112,  
128) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 13.406, 336.879 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 112, 128) }
```

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

```
.background{ background-color: rgb(136,  
112, 128) }
```

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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