

Converting Colors

CIELCh(50, 12.370, 236.697)

Have a look what the booklet for
CIELCh(50, 12.370, 236.697)
contains.

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Color

CIELCh(50, 12.370, 236.769)

Conversions

Conversions Part 1

Format	Color
Hex	5F7B88
RGB	95, 123, 136
RGB Percent	37%, 48%, 53%
CMY	0.6269, 0.5171, 0.4662
CMYK	0.30, 0.10, 0.00, 0.47
HSL	199°, 18%, 45%
HSV	199°, 30%, 53%
XYZ	16.2845, 18.4187, 26.0380
YIQ	116.1100, -20.8610, -1.8930

Conversions

Conversions Part 2

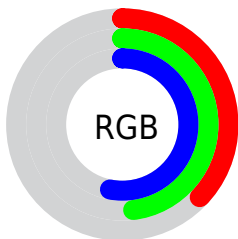
Format	Color
R_{YB}	95, 112, 136
Decimal	6257544
CIE _{Lab}	50.00, -6.78, -10.35
CIE _{LCh}	50, 12.370, 236.769
Yxy	18.4187, 0.2681, 0.3032
Android (android.graphics.Color)	4284447624 (0xFF5F7B88)
YUV	116.1100, 9.8058, -18.5135
Hunter-Lab	42.9170, -7.3743, -5.9298

Details

The CIELCh color $50, 12.370, 236.769$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $48, 14.640, 51.700$, and the grayscale version is $49, 0.007, 296.813$.

A 20% lighter version of the original color is $70, 12.184, 238.007$, and $30, 12.248, 237.482$ is the 20% darker color. If you saturate the color by 10%, you get $48, 16.007, 238.320$, and if you desaturate by 10%, it is $52, 8.469, 235.527$.

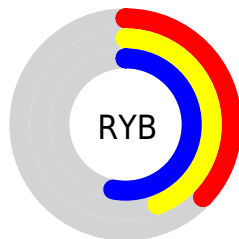
Distribution



Red (37%)

Green (48%)

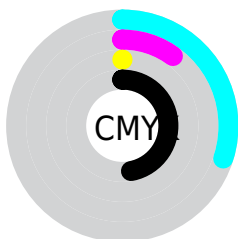
Blue (53%)



Red (37%)

Yellow (44%)

Blue (53%)

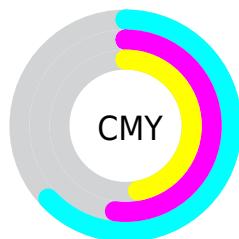


Cyan (30%)

Magenta (10%)

Yellow (0%)

Black (47%)



Cyan (63%)


Magenta (52%)


Yellow (47%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 50, 12.370, 236.769 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, 12.370, 236.769 by changing the saturation by 10% instead.


 50, 12.370,
236.769


 50, 12.370,
236.769


 100, 12.370,
236.769


 40, 12.370,
236.769


 70, 12.370,
236.769

 30, 12.370,
236.769


 80, 12.370,
236.769


 20, 12.370,
236.769

 90, 12.370,
236.769

 10, 12.370,
236.769

 0, 12.370, 236.769

 50, 12.370,
236.769

 50, 12.370,
236.769

48, 16.007,
238.320

52, 8.469, 235.527

46, 19.336,
240.262

54, 4.350, 234.568

57, 0.056, 240.340

44, 22.325,
242.669

59, 4.374, 52.952

42, 24.958,
245.623

61, 8.906, 52.479

64, 13.512, 52.076

40, 27.253,
249.187

66, 18.168, 51.746

39, 29.269,
253.387

69, 22.855, 51.476

71, 27.559, 51.256

37, 31.175,
257.826

Harmonies

Complementary

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



50, 12.370, 236.769



48, 14.640, 51.700

Rectangle

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



50, 12.370, 236.769



50, 12.370, 286.769



50, 12.370, 56.769



50, 12.370, 106.769

Sweetspot

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



50, 12.370, 236.765



69, 4.779, 234.495



53, 22.962, 152.600



36, 3.338, 234.598



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, 12.370, 236.765



62, 17.892, 237.761



44, 20.165, 285.424



28, 2.453, 234.492



36, 30.549, 257.686



1, 1.158, 233.688

Inverse Universe

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



45, 23.231, 337.127



55, 34.162, 337.668



54, 19.419, 98.039



27, 4.355, 335.560



29, 56.500, 345.516



0, 2.007, 334.981

Previews

White Background



This preview shows how the CIELCh color 50, 12.370, 236.769 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, 12.370, 236.769 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

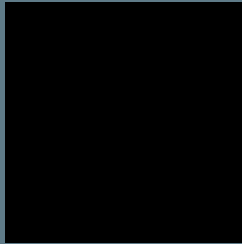
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

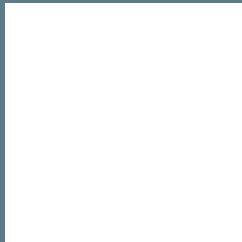
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 50, 12.370, 236.769

Background



This preview shows how black text looks on a background with the CIELCh color 50, 12.370, 236.769.



This preview shows how white text looks on a background with the CIELCh color 50, 12.370, 236.769.

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, 12.370, 236.769

Protanopia

50, 8.785, 288.829

Deuteranopia

50, 13.070, 300.132



Tritanopia
50, 11.600, 225.596

Trichromacy



Original Color
50, 12.370, 236.769

Protanomaly
50, 9.064, 264.232

Deuteranomaly
50, 10.785, 277.554

Tritanomaly
50, 11.820, 228.303

Monochromacy



Original Color
50, 12.370, 236.769

Achromatopsia
49, 0.007, 296.813

Achromatomaly
49, 4.824, 228.247

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 12.370, 236.769 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(95, 123, 136)` looks like.

```
.text, #text, p{  
    color:rgb(95, 123, 136)  
}
```

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(95, 123, 136) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(95, 123, 136) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 12.370, 236.769 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(95, 123, 136) }
```

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

```
.border{ border-color:rgb(95, 123, 136) }
```

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

Here you see how a box with a 4 pixel `rgb(95, 123, 136)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(95, 123, 136); -webkit-box-  
shadow:4px 4px 4px 4px rgb(95, 123, 136);  
box-shadow:4px 4px 4px 4px rgb(95, 123,  
136) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 12.370, 236.769 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(95, 123, 136) }
```

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

```
.background{ background-color: rgb(95, 123,  
136) }
```

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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