

Converting Colors

CIELCh(50, 14.389, 287.138)

Have a look what the booklet for
CIELCh(50, 14.389, 287.138)
contains.

CIELCh(50, 14.090, 286.004)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(50, 14.090, 286.004)

Conversions

Conversions Part 1

Format	Color
Hex	72768E
RGB	114, 118, 142
RGB Percent	45%, 46%, 56%
CMY	0.5537, 0.5381, 0.4440
CMYK	0.20, 0.17, 0.00, 0.44
HSL	231°, 11%, 50%
HSV	231°, 20%, 56%
XYZ	18.2334, 18.4187, 28.1018
YIQ	119.5400, -10.0880, 6.6160

Conversions

Conversions Part 2

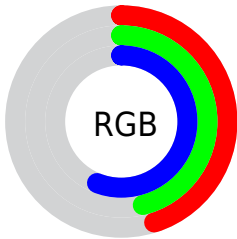
Format	Color
R_{YB}	114, 118, 142
Decimal	7501454
CIE _{Lab}	50.00, 3.88, -13.54
CIE _{LCh}	50, 14.090, 286.004
Yxy	18.4187, 0.2816, 0.2844
Android (android.graphics.Color)	4285691534 (0xFF72768E)
YUV	119.5400, 11.0728, -4.8586
Hunter-Lab	42.9170, 0.7315, -8.7809

Details

The CIELCh color $50, 14.090, 286.004$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $57, 13.685, 101.525$, and the grayscale version is $50, 0.007, 296.813$.

A 20% lighter version of the original color is $70, 14.284, 285.950$, and $30, 14.123, 286.502$ is the 20% darker color. If you saturate the color by 10%, you get $45, 21.582, 287.502$, and if you desaturate by 10%, it is $55, 6.844, 284.720$.

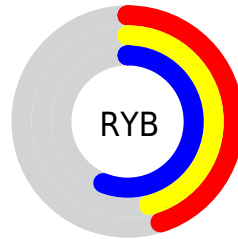
Distribution



Red (45%)

Green (46%)

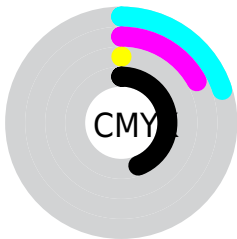
Blue (56%)



Red (45%)

Yellow (46%)

Blue (56%)

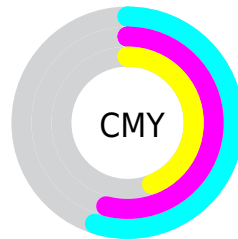


Cyan (20%)

Magenta (17%)

Yellow (0%)

Black (44%)



Cyan (55%)

Magenta (54%)

Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 50, 14.090, 286.004 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, 14.090, 286.004 by changing the saturation by 10% instead.

■ 50, 14.090,
286.004

■ 50, 14.090,
286.004

■ 100, 14.090,
286.004

■ 40, 14.090,
286.004

■ 70, 14.090,
286.004

■ 30, 14.090,
286.004

■ 80, 14.090,
286.004

■ 20, 14.090,
286.004

■ 90, 14.090,
286.004

■ 10, 14.090,
286.004

■ 0, 14.090, 286.004

■ 50, 14.090,
286.004

■ 50, 14.090,
286.004

45, 21.582,
287.502

55, 6.844, 284.720

41, 29.347,
289.251

59, 0.170, 103.020

64, 6.971, 102.630

36, 37.402,
291.273

68, 13.570,
101.810

32, 45.751,
293.571

72, 19.980,
101.093

28, 54.343,
296.110

77, 26.211,
100.464

24, 62.995,
298.781

81, 32.272, 99.910

21, 71.266,
301.384

85, 38.170, 99.419

90, 43.914, 98.982

18, 78.451,
303.555

18, 78.616,

303.600

Harmonies

Complementary

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



50, 14.090, 286.004



57, 13.685, 101.525

Rectangle

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



50, 14.090, 286.004



50, 14.090, 336.004



50, 14.090, 106.004



50, 14.090, 156.004

Sweetspot

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



50, 14.089, 286.002



71, 5.178, 284.309



57, 10.830, 185.537



37, 3.425, 284.369



88, 0.010, 296.813



39, 0.006, 296.813

Same Dimension

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



50, 14.089, 286.002



61, 21.314, 286.687



50, 16.899, 304.775



28, 3.986, 284.655



17, 75.667, 303.500



0, 2.657, 283.626

Inverse Universe

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



51, 11.822, 9.525



62, 17.978, 10.088



57, 16.326, 122.645



28, 3.299, 8.410



27, 59.357, 31.984



0, 2.172, 7.692

Previews

White Background



This preview shows how the CIELCh color 50, 14.090, 286.004 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, 14.090, 286.004 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

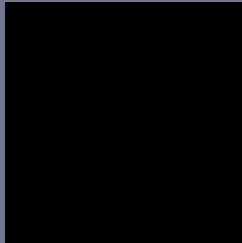
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

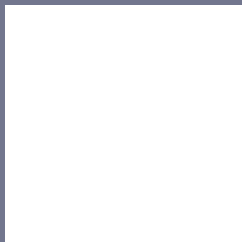
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 50, 14.090, 286.004

Background



This preview shows how black text looks on a background with the CIELCh color 50, 14.090, 286.004.



This preview shows how white text looks on a background with the CIELCh color 50, 14.090, 286.004.

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, 14.090, 286.004

Protanopia

50, 14.090, 286.004

Deuteranopia

50, 15.308, 296.295



Tritanopia
50, 6.030, 260.300

Trichromacy



Original Color
50, 14.090, 286.004

Protanomaly
50, 14.090, 286.004

Deuteranomaly
50, 14.646, 292.058

Tritanomaly
50, 9.013, 276.772

Monochromacy



Original Color
50, 14.090, 286.004

Achromatopsia
50, 0.007, 296.813

Achromatomaly
50, 4.732, 281.316

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 14.090, 286.004 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(114, 118, 142)` looks like.

```
.text, #text, p{  
    color:rgb(114, 118, 142)  
}
```

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(114, 118, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(114, 118, 142) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 14.090, 286.004 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(114, 118, 142) }
```

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

```
.border{ border-color:rgb(114, 118, 142) }
```

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

Here you see how a box with a 4 pixel `rgb(114, 118, 142)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(114, 118, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(114, 118, 142);  
box-shadow:4px 4px 4px 4px rgb(114, 118,  
142) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 14.090, 286.004 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(114, 118, 142) }
```

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

```
.background{ background-color: rgb(114,  
118, 142) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor