

Converting Colors

CIELCh(47, 1.973, 144.470)

Have a look what the booklet for
CIELCh(47, 1.973, 144.470) contains.

CIELCh(47, 2.162, 144.379)	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(47, 2.162, 144.379)

Conversions

Conversions Part 1

Format	Color
Hex	6D706D
RGB	109, 112, 109
RGB Percent	43%, 44%, 43%
CMY	0.5716, 0.5598, 0.5716
CMYK	0.03, 0.00, 0.03, 0.56
HSL	120°, 1%, 43%
HSV	120°, 3%, 44%
XYZ	14.9323, 16.0195, 16.8429
YIQ	110.7610, -0.8250, -1.5690

Conversions

Conversions Part 2

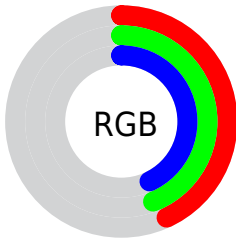
Format	Color
R _Y B	109, 112, 112
Decimal	7172205
CIE Lab	47.00, -1.76, 1.26
CIE LCh	47, 2.162, 144.379
Yxy	16.0195, 0.3124, 0.3352
Android (android.graphics.Color)	4285362285 (0xFF6D706D)
YUV	110.7610, -0.8682, -1.5444
Hunter-Lab	40.0243, -3.4477, 3.0669

Details

The CIELCh color $47, 2.162, 144.379$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $46, 2.175, 324.503$, and the grayscale version is $47, 0.006, 296.813$.

A 20% lighter version of the original color is $67, 2.690, 144.392$, and $27, 1.587, 144.362$ is the 20% darker color. If you saturate the color by 10%, you get $46, 10.340, 143.736$, and if you desaturate by 10%, it is $48, 5.890, 324.769$.

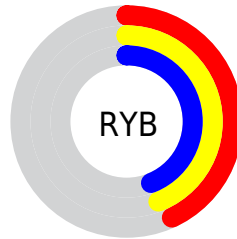
Distribution



Red (43%)

Green (44%)

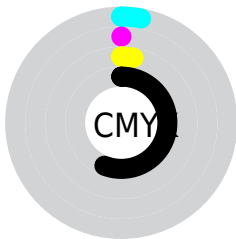
Blue (43%)



Red (43%)

Yellow (44%)

Blue (44%)

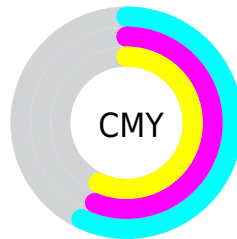


Cyan (3%)

Magenta (0%)

Yellow (3%)

Black (56%)



Cyan (57%)

Magenta (56%)

Yellow (57%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 47, 2.162, 144.379 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 47, 2.162, 144.379 by changing the saturation by 10% instead.

■ 47, 2.162, 144.379

■ 47, 2.162, 144.379

■ 100, 2.162,
144.379

■ 37, 2.162, 144.379

■ 67, 2.162, 144.379

■ 27, 2.162, 144.379

■ 77, 2.162, 144.379

■ 17, 2.162, 144.379

■ 87, 2.162, 144.379

■ 7, 2.162, 144.379

■ 97, 2.162, 144.379

■ 0, 2.162, 144.379

■ 47, 2.162, 144.379

■ 47, 2.162, 144.379

■ 46, 10.340,
143.736

■ 48, 5.890, 324.769

■ 45, 18.559,

■ 50, 13.764,
325.208

143.050

51, 21.425,
325.572

44, 26.711,
142.260

53, 28.853,
325.882

43, 34.648,
141.361

54, 36.040,
326.147

42, 42.183,
140.361

56, 42.985,
326.374

42, 49.089,
139.293

58, 49.694,
326.570

41, 55.094,
138.223

60, 56.177,
326.740

41, 59.899,
137.257

62, 62.444,
326.887

41, 63.259,
136.518

Harmonies

Complementary

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



47, 2.162, 144.379



46, 2.175, 324.503

Rectangle

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



47, 2.162, 144.379



47, 2.162, 194.379



47, 2.162, 324.379



47, 2.162, 14.379

Sweetspot

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



47, 2.163, 144.380



60, 0.994, 144.594



47, 1.765, 109.913



31, 0.569, 144.616



81, 0.010, 296.813



31, 0.005, 296.813

Same Dimension

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



47, 2.163, 144.380



60, 3.001, 144.348



47, 1.513, 163.621



23, 1.821, 144.309



43, 68.533, 136.016



85, 117.046, 136.016

Inverse Universe

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



46, 2.175, 324.503



59, 3.014, 324.534



46, 1.526, 343.683



23, 1.828, 324.571



28, 66.123, 328.233



59, 112.929, 328.233

Previews

White Background



This preview shows how the CIELCh color 47, 2.162, 144.379 looks on a white background.

Color Contrast Check

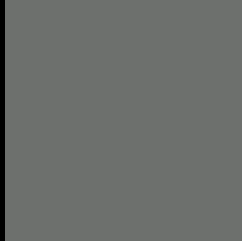
Large Text (above 18pt) WCAG AA ✓ Pass

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 47, 2.162, 144.379 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

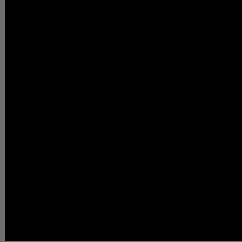
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

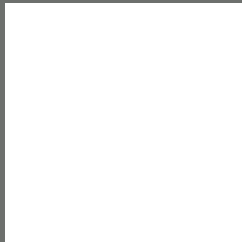
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 47, 2.162, 144.379

Background



This preview shows how black text looks on a background with the CIELCh color 47, 2.162, 144.379.



This preview shows how white text looks on a background with the CIELCh color 47, 2.162, 144.379.

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


47, 2.162, 144.379

Protanopia

47, 2.148, 74.703

Deuteranopia

47, 5.931, 8.633



Tritanopia
47, 4.739, 290.830

Trichromacy



Original Color
47, 2.162, 144.379

Protanomaly
47, 1.810, 96.771

Deuteranomaly
47, 2.885, 19.625

Tritanomaly
47, 2.400, 280.919

Monochromacy



Original Color
47, 2.162, 144.379

Achromatopsia
47, 0.006, 296.813

Achromatomaly
47, 0.717, 144.629

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 47, 2.162, 144.379 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(109, 112, 109)` looks like.

```
.text, #text, p{  
    color:rgb(109, 112, 109)  
}
```

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(109, 112, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 112, 109) }
```

Border

The CSS property to change the border of an element to CIELCh 47, 2.162, 144.379 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(109, 112, 109) }
```

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

```
.border{ border-color:rgb(109, 112, 109) }
```

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

Here you see how a box with a 4 pixel `rgb(109, 112, 109)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(109, 112, 109); -webkit-box-  
shadow:4px 4px 4px 4px rgb(109, 112, 109);  
box-shadow:4px 4px 4px 4px rgb(109, 112,  
109) }
```

Background

The CSS property to change the background color of an element to CIELCh 47, 2.162, 144.379 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 112, 109) }
```

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

```
.background{ background-color: rgb(109,  
112, 109) }
```

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