

Converting Colors

CIELCh(47, 5.606, 280.229)

Have a look what the booklet for
CIELCh(47, 5.606, 280.229) contains.

CIELCh(47, 5.960, 283.453)	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, 5.960, 283.453)

Conversions

Conversions Part 1

Format	Color
Hex	6D6F79
RGB	109, 111, 121
RGB Percent	43%, 44%, 47%
CMY	0.5723, 0.5645, 0.5252
CMYK	0.10, 0.08, 0.00, 0.53
HSL	230°, 5%, 45%
HSV	230°, 10%, 47%
XYZ	15.4604, 16.0195, 20.3865
YIQ	111.5420, -4.4020, 2.6860

Conversions

Conversions Part 2

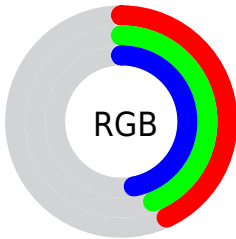
Format	Color
RYB	109, 111, 121
Decimal	7171961
CIELab	47.00, 1.39, -5.80
CIELCh	47, 5.960, 283.453
Yxy	16.0195, 0.2981, 0.3089
Android (android.graphics.Color)	4285362041 (0xFF6D6F79)
YUV	111.5420, 4.6628, -2.2293
Hunter-Lab	40.0243, -1.0922, -2.1826

Details

The CIELCh color **47, 5.960, 283.453** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **50, 5.878, 101.269**, and the grayscale version is **47, 0.006, 296.813**.

A 20% lighter version of the original color is **67, 5.563, 283.136**, and **27, 6.559, 284.129** is the 20% darker color. If you saturate the color by 10%, you get **43, 12.147, 284.728**, and if you desaturate by 10%, it is **51, 0.045, 100.177**.

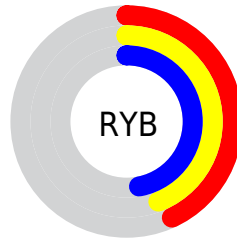
Distribution



Red (43%)

Green (44%)

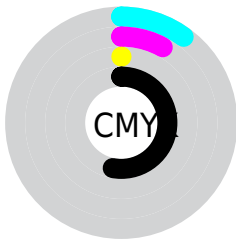
Blue (47%)



Red (43%)

Yellow (44%)

Blue (47%)

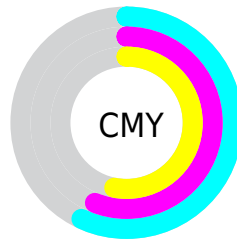


Cyan (10%)

Magenta (8%)

Yellow (0%)

Black (53%)



Cyan (57%)

Magenta (56%)

Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 47, 5.960, 283.453 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, 5.960, 283.453 by changing the saturation by 10% instead.

■ 47, 5.960, 283.453

■ 47, 5.960, 283.453

■ 100, 5.960,
283.453

■ 37, 5.960, 283.453

■ 67, 5.960, 283.453

■ 27, 5.960, 283.453

■ 77, 5.960, 283.453

■ 17, 5.960, 283.453

■ 87, 5.960, 283.453

■ 7, 5.960, 283.453

■ 97, 5.960, 283.453

■ 0, 5.960, 283.453

■ 47, 5.960, 283.453

■ 47, 5.960, 283.453

■ 43, 12.147,
284.728

■ 51, 0.045, 100.177

■ 39, 18.534,

■ 55, 5.877, 101.338

286.225

59, 11.546,
100.509

35, 25.138,
287.966

62, 17.062, 99.781

31, 31.976,
289.976

66, 22.432, 99.140

28, 39.058,
292.264

70, 27.662, 98.573

24, 46.360,
294.805

74, 32.760, 98.069

21, 53.775,
297.512

81, 42.579, 97.216

18, 61.021,
300.218

15, 67.642,
302.532

Harmonies

Complementary

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



47, 5.960, 283.453



50, 5.878, 101.269

Rectangle

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



47, 5.960, 283.453



47, 5.960, 333.453



47, 5.960, 103.453



47, 5.960, 153.453

Sweetspot

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



47, 5.959, 283.445



64, 2.227, 282.703



50, 4.930, 183.772



33, 1.679, 282.771



83, 0.010, 296.813



34, 0.005, 296.813

Same Dimension

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



47, 5.959, 283.445



59, 9.005, 283.733



47, 7.300, 302.968



24, 3.412, 283.348



16, 69.441, 302.632



35, 121.863, 303.863

Inverse Universe

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



47, 5.101, 6.611



60, 7.733, 6.854



50, 7.166, 121.908



24, 2.918, 6.527



25, 55.002, 29.898



53, 95.288, 32.900

Previews

White Background



This preview shows how the CIELCh color 47, 5.960, 283.453 looks on a white background.

Color Contrast Check

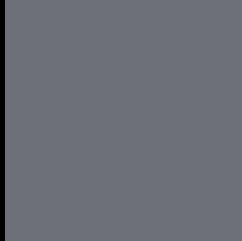
Large Text (above 18pt) WCAG AA ✓ Pass

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, 5.960, 283.453 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

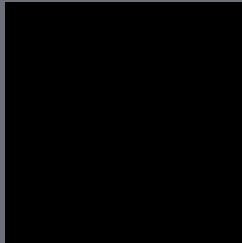
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

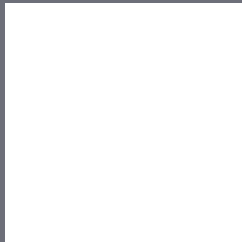
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 47, 5.960, 283.453

Background



This preview shows how black text looks on a background with the CIELCh color 47, 5.960, 283.453.



This preview shows how white text looks on a background with the CIELCh color 47, 5.960, 283.453.

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, 5.960, 283.453

Protanopia

47, 5.922, 290.987

Deuteranopia

47, 9.077, 314.342



Tritanopia
47, 5.375, 282.517

Trichromacy



Original Color
47, 5.960, 283.453

Protanomaly
47, 5.928, 287.201

Deuteranomaly
47, 7.987, 305.463

Tritanomaly
47, 5.375, 282.517

Monochromacy



Original Color
47, 5.960, 283.453

Achromatopsia
47, 0.006, 296.813

Achromatomaly
47, 1.817, 277.690

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 47, 5.960, 283.453 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, 111, 121)` looks like.

```
.text, #text, p{  
    color:rgb(109, 111, 121)  
}
```

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, 111, 121) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 111, 121) }
```

Border

The CSS property to change the border of an element to CIELCh 47, 5.960, 283.453 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, 111, 121) }
```

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

```
.border{ border-color:rgb(109, 111, 121) }
```

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

Here you see how a box with a 4 pixel `rgb(109, 111, 121)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(109, 111, 121); -webkit-box-  
shadow:4px 4px 4px 4px rgb(109, 111, 121);  
box-shadow:4px 4px 4px 4px rgb(109, 111,  
121) }
```

Background

The CSS property to change the background color of an element to CIELCh 47, 5.960, 283.453 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 111, 121) }
```

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

```
.background{ background-color: rgb(109,  
111, 121) }
```

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