

Converting Colors

CIELCh(47, 6.047, 130.472)

Have a look what the booklet for
CIELCh(47, 6.047, 130.472) contains.

CIELCh(47, 5.713, 130.681)	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, 5.713, 130.681)

Conversions

Conversions Part 1

Format	Color
Hex	6C7168
RGB	108, 113, 104
RGB Percent	42%, 44%, 41%
CMY	0.5762, 0.5566, 0.5919
CMYK	0.04, 0.00, 0.08, 0.56
HSL	93°, 4%, 43%
HSV	93°, 8%, 44%
XYZ	14.6081, 16.0195, 15.4375
YIQ	110.4790, -0.0910, -3.8590

Conversions

Conversions Part 2

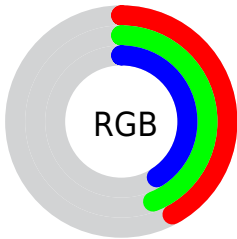
Format	Color
RYB	104, 113, 109
Decimal	7106920
CIELab	47.00, -3.72, 4.33
CIELCh	47, 5.713, 130.681
Yxy	16.0195, 0.3171, 0.3478
Android (android.graphics.Color)	4285297000 (0xFF6C7168)
YUV	110.4790, -3.1941, -2.1741
Hunter-Lab	40.0243, -4.8933, 5.1487

Details

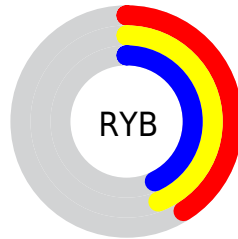
The CIELCh color **47, 5.713, 130.681** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **45, 5.774, 311.294**, and the grayscale version is **47, 0.006, 296.813**.

A 20% lighter version of the original color is **67, 5.989, 132.258**, and **27, 5.516, 128.600** is the 20% darker color. If you saturate the color by 10%, you get **46, 12.920, 130.247**, and if you desaturate by 10%, it is **48, 1.466, 311.006**.

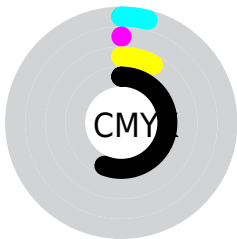
Distribution



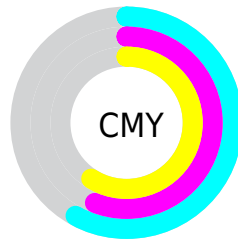
- Red (42%)
- Green (44%)
- Blue (41%)



- Red (41%)
- Yellow (44%)
- Blue (43%)



- Cyan (4%)
- Magenta (0%)
- Yellow (8%)
- Black (56%)



- Cyan (58%)
- Magenta (56%)
- Yellow (59%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 47, 5.713, 130.681 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, 5.713, 130.681 by changing the saturation by 10% instead.

■ 47, 5.713, 130.681

■ 47, 5.713, 130.681

■ 100, 5.713,
130.681

■ 37, 5.713, 130.681

■ 67, 5.713, 130.681

■ 27, 5.713, 130.681

■ 77, 5.713, 130.681

■ 17, 5.713, 130.681

■ 87, 5.713, 130.681

■ 7, 5.713, 130.681

■ 97, 5.713, 130.681

■ 0, 5.713, 130.681

■ 47, 5.713, 130.681

■ 47, 5.713, 130.681

■ 46, 12.920,
130.247

■ 48, 1.466, 311.006

■ 45, 20.104,

■ 49, 8.585, 311.420

129.791

50, 15.618,
311.753

45, 27.196,
129.328

51, 22.547,
312.050

44, 34.104,
128.882

52, 29.360,
312.313

44, 40.691,
128.496

53, 36.050,
312.546

43, 46.773,
128.235

54, 42.610,
312.752

43, 52.104,
128.191

55, 49.041,
312.934

42, 56.403,
128.475

56, 55.342,
313.094

42, 59.791,
128.991

Harmonies

Complementary

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



47, 5.713, 130.681



45, 5.774, 311.294

Rectangle

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



47, 5.713, 130.681



47, 5.713, 180.681



47, 5.713, 310.681



47, 5.713, 0.681

Sweetspot

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



47, 5.714, 130.685



61, 1.780, 130.970



46, 3.371, 79.624



31, 1.005, 130.982



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, 5.714, 130.685



60, 8.951, 130.585



47, 6.295, 145.392



23, 4.012, 130.640



44, 63.120, 129.161



87, 108.813, 130.052

Inverse Universe

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



45, 5.774, 311.294



57, 9.063, 311.394



45, 6.308, 326.202



22, 4.058, 311.339



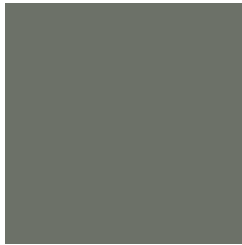
18, 70.302, 313.659



41, 120.695, 313.034

Previews

White Background



This preview shows how the CIELCh color 47, 5.713, 130.681 looks on a white background.

Color Contrast Check

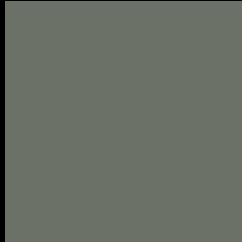
Large Text (above 18pt) WCAG AA ✓ Pass

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, 5.713, 130.681 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

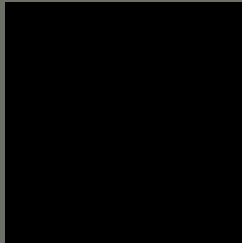
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 47, 5.713, 130.681

Background



This preview shows how black text looks on a background with the CIELCh color 47, 5.713, 130.681.



This preview shows how white text looks on a background with the CIELCh color 47, 5.713, 130.681.

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, 5.713, 130.681

Protanopia

47, 4.998, 89.864

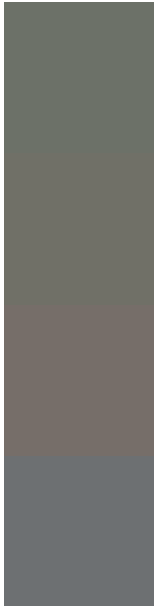
Deuteranopia

47, 6.996, 34.713



Tritanopia
47, 5.338, 286.687

Trichromacy



Original Color

47, 5.713, 130.681

Protanomaly

47, 5.302, 109.441

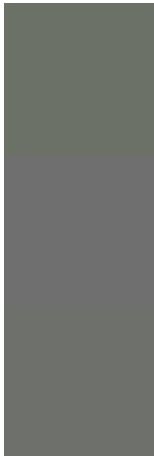
Deuteranomaly

47, 4.459, 60.942

Tritanomaly

47, 1.676, 244.509

Monochromacy



Original Color

47, 5.713, 130.681

Achromatopsia

47, 0.006, 296.813

Achromatomaly

47, 2.504, 128.953

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 47, 5.713, 130.681 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(108, 113, 104)` looks like.

```
.text, #text, p{  
    color:rgb(108, 113, 104)  
}
```

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(108, 113, 104) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(108, 113, 104) }
```

Border

The CSS property to change the border of an element to CIELCh 47, 5.713, 130.681 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(108, 113, 104) }
```

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

```
.border{ border-color:rgb(108, 113, 104) }
```

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

Here you see how a box with a 4 pixel `rgb(108, 113, 104)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(108, 113, 104); -webkit-box-  
shadow:4px 4px 4px 4px rgb(108, 113, 104);  
box-shadow:4px 4px 4px 4px rgb(108, 113,  
104) }
```

Background

The CSS property to change the background color of an element to CIELCh 47, 5.713, 130.681 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(108, 113, 104) }
```

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

```
.background{ background-color: rgb(108,  
113, 104) }
```

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