

Converting Colors

CIELCh(47, 7.357, 184.574)

Have a look what the booklet for
CIELCh(47, 7.357, 184.574) contains.

CIELCh(47, 7.346, 184.581)	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, 7.346, 184.581)

Conversions

Conversions Part 1

Format	Color
Hex	617370
RGB	97, 115, 112
RGB Percent	38%, 45%, 44%
CMY	0.6190, 0.5484, 0.5602
CMYK	0.16, 0.00, 0.03, 0.55
HSL	170°, 8%, 42%
HSV	170°, 16%, 45%
XYZ	14.0272, 16.0195, 17.7266
YIQ	109.2760, -9.7650, -4.7490

Conversions

Conversions Part 2

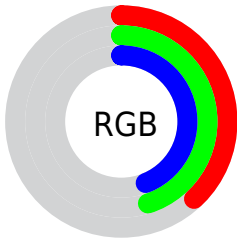
Format	Color
R_{YB}	97, 107, 115
Decimal	6386544
CIE _{Lab}	47.00, -7.32, -0.59
CIE _{LCh}	47, 7.346, 184.581
Yxy	16.0195, 0.2936, 0.3353
Android (android.graphics.Color)	4284576624 (0xFF617370)
YUV	109.2760, 1.3429, -10.7661
Hunter-Lab	40.0243, -7.4842, 1.7577

Details

The CIELCh color **47, 7.346, 184.581** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **43, 7.840, 7.196**, and the grayscale version is **46, 0.006, 296.813**.

A 20% lighter version of the original color is **67, 7.265, 185.622**, and **27, 7.538, 183.095** is the 20% darker color. If you saturate the color by 10%, you get **46, 11.813, 183.690**, and if you desaturate by 10%, it is **48, 2.686, 185.489**.

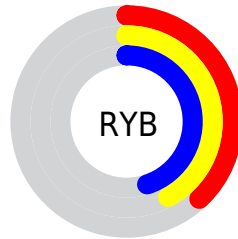
Distribution



Red (38%)

Green (45%)

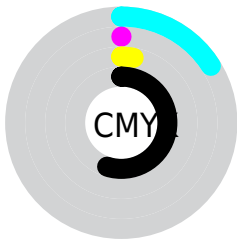
Blue (44%)



Red (38%)

Yellow (42%)

Blue (45%)

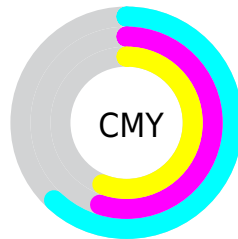


Cyan (16%)

Magenta (0%)

Yellow (3%)

Black (55%)



Cyan (62%)

Magenta (55%)

Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 47, 7.346, 184.581 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, 7.346, 184.581 by changing the saturation by 10% instead.

■ 47, 7.346, 184.581

■ 47, 7.346, 184.581

■ 100, 7.346,
184.581

■ 37, 7.346, 184.581

■ 67, 7.346, 184.581

■ 27, 7.346, 184.581

■ 77, 7.346, 184.581

■ 17, 7.346, 184.581

■ 87, 7.346, 184.581

■ 7, 7.346, 184.581

■ 97, 7.346, 184.581

■ 0, 7.346, 184.581

■ 47, 7.346, 184.581

■ 47, 7.346, 184.581

■ 46, 11.813,
183.690

■ 48, 2.686, 185.489

■ 45, 16.015,

■ 49, 2.107, 6.000

182.775

50, 6.977, 6.895

45, 19.881,
181.811

51, 11.882, 7.673

44, 23.338,
180.784

53, 16.785, 8.420

44, 26.327,
179.677

54, 21.659, 9.142

43, 28.804,
178.469

55, 26.485, 9.844

43, 30.754,
177.143

57, 31.248, 10.526

43, 32.244,
175.708

43, 32.870,
175.103

Harmonies

Complementary

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



47, 7.346, 184.581



43, 7.840, 7.196

Rectangle

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



47, 7.346, 184.581



47, 7.346, 234.581



47, 7.346, 4.581



47, 7.346, 54.581

Sweetspot

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



47, 7.347, 184.574



62, 2.968, 185.543



47, 12.298, 138.594



32, 2.040, 185.483



82, 0.010, 296.813



33, 0.005, 296.813

Same Dimension

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



47, 7.347, 184.574



60, 11.037, 184.235



45, 5.797, 234.986



24, 2.712, 185.159



46, 34.381, 174.988



88, 58.940, 174.008

Inverse Universe

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



43, 7.840, 7.196



54, 11.981, 7.615



45, 6.279, 52.523



23, 2.815, 6.522



24, 54.135, 29.776



52, 94.531, 32.873

Previews

White Background



This preview shows how the CIELCh color 47, 7.346, 184.581 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, 7.346, 184.581 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

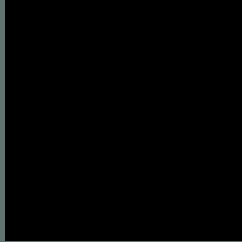
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

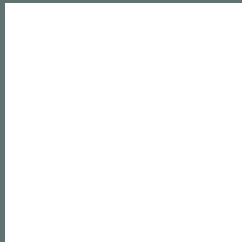
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 47, 7.346, 184.581

Background



This preview shows how black text looks on a background with the CIELCh color 47, 7.346, 184.581.



This preview shows how white text looks on a background with the CIELCh color 47, 7.346, 184.581.

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

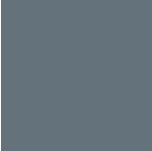
47, 7.346, 184.581

Protanopia

47, 1.001, 55.178

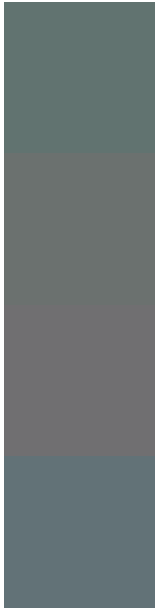
Deuteranopia

47, 6.411, 346.623



Tritanopia
47, 7.682, 243.025

Trichromacy



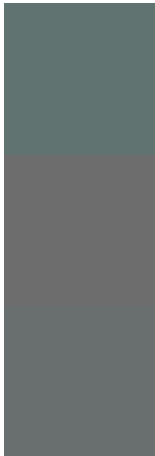
Original Color
47, 7.346, 184.581

Protanomaly
47, 2.709, 173.350

Deuteranomaly
47, 1.261, 309.079

Tritanomaly
47, 6.754, 224.925

Monochromacy



Original Color
47, 7.346, 184.581

Achromatopsia
46, 0.006, 296.813

Achromatomaly
46, 2.500, 185.523

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 47, 7.346, 184.581 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(97, 115, 112)` looks like.

```
.text, #text, p{  
    color:rgb(97, 115, 112)  
}
```

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(97, 115, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(97, 115, 112) }
```

Border

The CSS property to change the border of an element to CIELCh 47, 7.346, 184.581 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(97, 115, 112) }
```

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

```
.border{ border-color:rgb(97, 115, 112) }
```

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

Here you see how a box with a 4 pixel `rgb(97, 115, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(97, 115, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(97, 115, 112);  
box-shadow:4px 4px 4px 4px rgb(97, 115,  
112) }
```

Background

The CSS property to change the background color of an element to CIELCh 47, 7.346, 184.581 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(97, 115, 112) }
```

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

```
.background{ background-color: rgb(97, 115,  
112) }
```

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