

Converting Colors

CIELCh(47, 8.864, 143.851)

Have a look what the booklet for
CIELCh(47, 8.864, 143.851) contains.

CIELCh(47, 9.400, 143.821)	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, 9.400, 143.821)

Conversions

Conversions Part 1

Format	Color
Hex	667366
RGB	102, 115, 102
RGB Percent	40%, 45%, 40%
CMY	0.6003, 0.5493, 0.6003
CMYK	0.11, 0.00, 0.11, 0.55
HSL	120°, 6%, 43%
HSV	120°, 11%, 45%
XYZ	13.9850, 16.0195, 14.9035
YIQ	109.6310, -3.5750, -6.7990

Conversions

Conversions Part 2

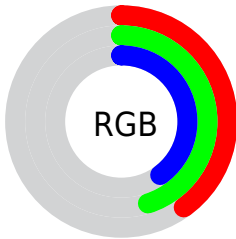
Format	Color
R_{YB}	102, 115, 115
Decimal	6714214
CIE _{Lab}	47.00, -7.59, 5.55
CIE _{LCh}	47, 9.400, 143.821
Yxy	16.0195, 0.3114, 0.3567
Android (android.graphics.Color)	4284904294 (0xFF667366)
YUV	109.6310, -3.7621, -6.6924
Hunter-Lab	40.0243, -7.6722, 5.9397

Details

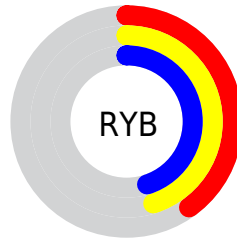
The CIELCh color **47, 9.400, 143.821** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **45, 9.414, 325.013**, and the grayscale version is **46, 0.006, 296.813**.

A 20% lighter version of the original color is **67, 9.444, 143.985**, and **27, 9.548, 143.473** is the 20% darker color. If you saturate the color by 10%, you get **46, 17.781, 143.145**, and if you desaturate by 10%, it is **48, 1.078, 144.533**.

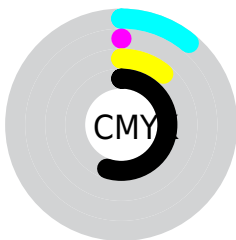
Distribution



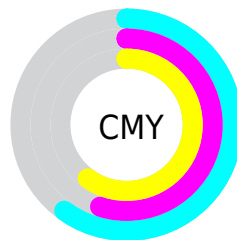
- Red (40%)
- Green (45%)
- Blue (40%)



- Red (40%)
- Yellow (45%)
- Blue (45%)



- Cyan (11%)
- Magenta (0%)
- Yellow (11%)
- Black (55%)





















- Cyan (60%)
- Magenta (55%)
- Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 47, 9.400, 143.821 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, 9.400, 143.821 by changing the saturation by 10% instead.

 47, 9.400, 143.821	 47, 9.400, 143.821
 100, 9.400, 143.821	 37, 9.400, 143.821
 67, 9.400, 143.821	 27, 9.400, 143.821
 77, 9.400, 143.821	 17, 9.400, 143.821
 87, 9.400, 143.821	 7, 9.400, 143.821
 97, 9.400, 143.821	 0, 9.400, 143.821

 47, 9.400, 143.821	 47, 9.400, 143.821
 46, 17.781, 143.145	 48, 1.078, 144.533
 45, 26.108,	 50, 7.109, 324.836

142.368

51, 15.109,
325.263

44, 34.236,
141.480

53, 22.886,
325.620

43, 41.981,
140.489

54, 30.423,
325.923

43, 49.114,
139.423

56, 37.713,
326.183

42, 55.360,
138.346

58, 44.757,
326.406

42, 60.417,
137.359

60, 51.561,
326.598

42, 64.000,
136.591

61, 58.135,
326.764

42, 66.505,
136.016

Harmonies

Complementary

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



47, 9.400, 143.821



45, 9.414, 325.013

Rectangle

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



47, 9.400, 143.821



47, 9.400, 193.821



47, 9.400, 323.821



47, 9.400, 13.821

Sweetspot

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



47, 9.401, 143.821



62, 3.086, 144.347



48, 7.621, 109.140



32, 2.360, 144.296



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, 9.401, 143.821



60, 14.532, 143.624



47, 6.546, 162.788



24, 4.750, 143.963



44, 69.575, 136.016



86, 117.958, 136.016

Inverse Universe

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



45, 9.414, 325.013



57, 14.548, 325.176



45, 6.639, 344.514



23, 4.757, 324.891



28, 67.128, 328.234



59, 113.808, 328.234

Previews

White Background



This preview shows how the CIELCh color 47, 9.400, 143.821 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, 9.400, 143.821 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

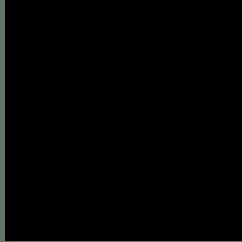
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 47, 9.400, 143.821

Background



This preview shows how black text looks on a background with the CIELCh color 47, 9.400, 143.821.

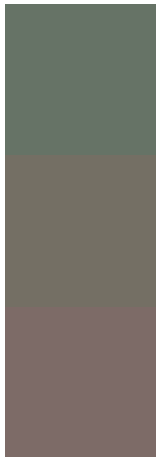


This preview shows how white text looks on a background with the CIELCh color 47, 9.400, 143.821.

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, 9.400, 143.821

Protanopia

47, 6.815, 91.114

Deuteranopia

47, 8.034, 37.233



Tritanopia
47, 5.924, 263.639

Trichromacy



Original Color
47, 9.400, 143.821

Protanomaly
47, 6.498, 112.986

Deuteranomaly
47, 5.068, 73.984

Tritanomaly
47, 3.610, 208.560

Monochromacy



Original Color
47, 9.400, 143.821

Achromatopsia
46, 0.006, 296.813

Achromatomaly
47, 3.613, 144.250

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 47, 9.400, 143.821 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(102, 115, 102)` looks like.

```
.text, #text, p{  
    color:rgb(102, 115, 102)  
}
```

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(102, 115, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 115, 102) }
```

Border

The CSS property to change the border of an element to CIELCh 47, 9.400, 143.821 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(102, 115, 102) }
```

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

```
.border{ border-color:rgb(102, 115, 102) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 115, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 115, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 115, 102);  
box-shadow:4px 4px 4px 4px rgb(102, 115,  
102) }
```

Background

The CSS property to change the background color of an element to CIELCh 47, 9.400, 143.821 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 115, 102) }
```

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

```
.background{ background-color: rgb(102,  
115, 102) }
```

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