

Converting Colors

CIELCh(47, 10.341, 105.762)

Have a look what the booklet for
CIELCh(47, 10.341, 105.762)
contains.

CIELCh(47, 10.034, 103.876)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(47, 10.034, 103.876)

Conversions

Conversions Part 1

Format	Color
Hex	72705F
RGB	114, 112, 95
RGB Percent	45%, 44%, 37%
CMY	0.5526, 0.5604, 0.6271
CMYK	0.00, 0.02, 0.17, 0.55
HSL	54°, 9%, 41%
HSV	54°, 17%, 45%
XYZ	14.8248, 16.0195, 13.1580
YIQ	110.6600, 6.6490, -4.8630

Conversions

Conversions Part 2

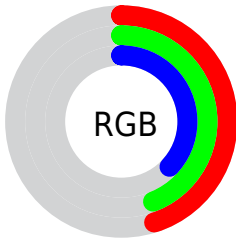
Format	Color
RYB	97, 114, 95
Decimal	7499871
CIELab	47.00, -2.41, 9.74
CIELCh	47, 10.034, 103.876
Yxy	16.0195, 0.3369, 0.3641
Android (android.graphics.Color)	4285689951 (0xFF72705F)
YUV	110.6600, -7.7204, 2.9292
Hunter-Lab	40.0243, -3.9270, 8.5255

Details

The CIELCh color **47, 10.034, 103.876** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **42, 10.316, 287.411**, and the grayscale version is **47, 0.006, 296.813**.

A 20% lighter version of the original color is **67, 10.464, 104.733**, and **27, 9.738, 102.500** is the 20% darker color. If you saturate the color by 10%, you get **46, 16.046, 102.861**, and if you desaturate by 10%, it is **48, 4.005, 104.880**.

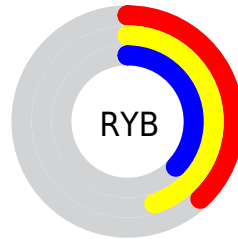
Distribution



Red (45%)

Green (44%)

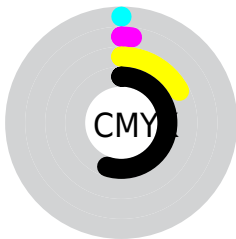
Blue (37%)



Red (38%)

Yellow (45%)

Blue (37%)

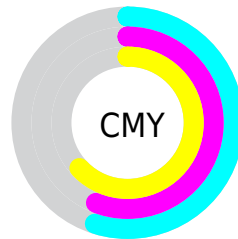


Cyan (0%)

Magenta (2%)

Yellow (17%)

Black (55%)



Cyan (55%)


Magenta (56%)


Yellow (63%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 47, 10.034, 103.876 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, 10.034, 103.876 by changing the saturation by 10% instead.


 47, 10.034,
103.876


 47, 10.034,
103.876


 100, 10.034,
103.876


 37, 10.034,
103.876

 67, 10.034,
103.876


 27, 10.034,
103.876

 77, 10.034,
103.876


 17, 10.034,
103.876


 87, 10.034,
103.876

 7, 10.034, 103.876

 97, 10.034,
103.876

 0, 10.034, 103.876

 47, 10.034,

 47, 10.034,

103.876

103.876

■ 46, 16.046,
102.861

■ 48, 4.005, 104.880

■ 46, 21.995,
101.829

■ 48, 2.019, 285.916

■ 49, 8.019, 286.840

■ 45, 27.812,
100.801

■ 50, 13.986,
287.752

■ 45, 33.387, 99.791

■ 50, 19.914,
288.628

■ 44, 38.547, 98.813

■ 51, 25.798,
289.464

■ 44, 43.042, 97.884

■ 43, 46.549, 97.015

■ 52, 31.636,
290.259

■ 43, 49.020, 96.203

■ 53, 37.425,
291.012

■ 43, 49.869, 95.939

■ 54, 43.166,

291.725

Harmonies

Complementary

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



47, 10.034, 103.876



42, 10.316, 287.411

Rectangle

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



47, 10.034, 103.876



47, 10.034, 153.876



47, 10.034, 283.876



47, 10.034, 333.876

Sweetspot

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



47, 10.035, 103.883



61, 3.719, 105.026



42, 8.226, 11.200



31, 2.522, 104.975



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, 10.035, 103.883



60, 14.905, 103.490



47, 11.604, 124.094



23, 3.340, 104.652



45, 51.637, 95.899



88, 87.864, 95.462

Inverse Universe

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



42, 10.316, 287.411



52, 15.424, 287.909



42, 11.921, 305.740



21, 3.393, 286.507



13, 71.008, 304.170



33, 125.497, 305.147

Previews

White Background



This preview shows how the CIELCh color 47, 10.034, 103.876 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, 10.034, 103.876 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

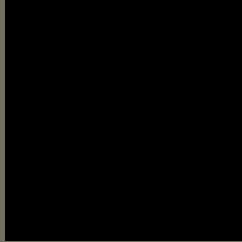
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

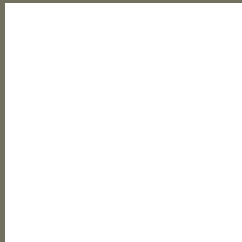
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 47, 10.034, 103.876

Background



This preview shows how black text looks on a background with the CIELCh color 47, 10.034, 103.876.



This preview shows how white text looks on a background with the CIELCh color 47, 10.034, 103.876.

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, 10.034, 103.876

Protanopia

47, 9.770, 93.487

Deuteranopia

47, 11.298, 55.039



Tritanopia
47, 5.761, 324.768

Trichromacy



Original Color
47, 10.034, 103.876

Protanomaly
47, 9.664, 95.972

Deuteranomaly
47, 9.812, 70.835

Tritanomaly
47, 2.541, 32.964

Monochromacy



Original Color
47, 10.034, 103.876

Achromatopsia
47, 0.006, 296.813

Achromatomaly
47, 3.559, 102.973

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 47, 10.034, 103.876 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(114, 112, 95)` looks like.

```
.text, #text, p{  
    color:rgb(114, 112, 95)  
}
```

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(114, 112, 95) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(114, 112, 95) }
```

Border

The CSS property to change the border of an element to CIELCh 47, 10.034, 103.876 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(114, 112, 95) }
```

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

```
.border{ border-color:rgb(114, 112, 95) }
```

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

Here you see how a box with a 4 pixel `rgb(114, 112, 95)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(114, 112, 95); -webkit-box-  
shadow:4px 4px 4px 4px rgb(114, 112, 95);  
box-shadow:4px 4px 4px 4px rgb(114, 112,  
95) }
```

Background

The CSS property to change the background color of an element to CIELCh 47, 10.034, 103.876 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(114, 112, 95) }
```

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

```
.background{ background-color: rgb(114,  
112, 95) }
```

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