

Converting Colors

CIELCh(47, 12.196, 72.303)

Have a look what the booklet for
CIELCh(47, 12.196, 72.303) contains.

CIELCh(47, 12.300, 73.854)	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, 12.300, 73.854)

Conversions

Conversions Part 1

Format	Color
Hex	7D6D5C
RGB	125, 109, 92
RGB Percent	49%, 43%, 36%
CMY	0.5105, 0.5732, 0.6398
CMYK	0.00, 0.13, 0.26, 0.51
HSL	31°, 15%, 42%
HSV	31°, 26%, 49%
XYZ	15.8086, 16.0195, 12.3474
YIQ	111.8460, 14.9930, -1.8950

Conversions

Conversions Part 2

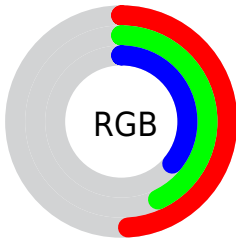
Format	Color
RYB	123, 125, 92
Decimal	8219996
CIELab	47.00, 3.42, 11.81
CIElCh	47, 12.300, 73.854
Yxy	16.0195, 0.3579, 0.3626
Android (android.graphics.Color)	4286410076 (0xFF7D6D5C)
YUV	111.8460, -9.7841, 11.5361
Hunter-Lab	40.0243, 0.4607, 9.7262

Details

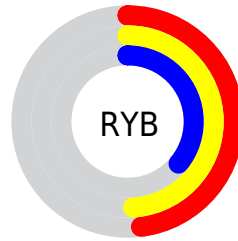
The CIELCh color $47, 12.300, 73.854$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $45, 11.560, 260.901$, and the grayscale version is $47, 0.006, 296.813$.

A 20% lighter version of the original color is $67, 12.319, 72.938$, and $27, 12.305, 76.287$ is the 20% darker color. If you saturate the color by 10%, you get $45, 17.323, 72.633$, and if you desaturate by 10%, it is $49, 7.484, 75.068$.

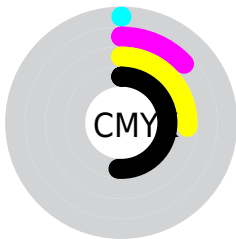
Distribution



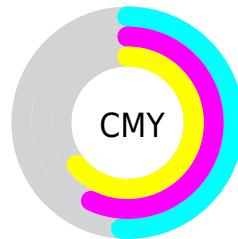
- Red (49%)
- Green (43%)
- Blue (36%)



- Red (48%)
- Yellow (49%)
- Blue (36%)



- Cyan (0%)
- Magenta (13%)
- Yellow (26%)
- Black (51%)



- Cyan (51%)
- Magenta (57%)
- Yellow (64%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 47, 12.300, 73.854 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, 12.300, 73.854 by changing the saturation by 10% instead.

■ 47, 12.300, 73.854

■ 47, 12.300, 73.854

■ 100, 12.300,
73.854

■ 37, 12.300, 73.854

■ 67, 12.300, 73.854

■ 27, 12.300, 73.854

■ 77, 12.300, 73.854

■ 17, 12.300, 73.854

■ 87, 12.300, 73.854

■ 7, 12.300, 73.854

■ 97, 12.300, 73.854

■ 0, 12.300, 73.854

■ 47, 12.300, 73.854

■ 47, 12.300, 73.854

■ 45, 17.323, 72.633

■ 49, 7.484, 75.068

■ 43, 22.545, 71.387

■ 51, 2.865, 76.212

■ 41, 27.934, 70.118

■ 53, 1.569, 257.631

■ 40, 33.407, 68.803

■ 55, 5.836, 258.652

■ 38, 38.785, 67.379

■ 57, 9.953, 259.735

■ 36, 43.726, 65.711

■ 59, 13.935,
260.788

■ 35, 47.941, 63.734

■ 61, 17.797,
261.803

■ 34, 49.634, 63.219

■ 64, 21.553,
262.775

■ 66, 25.214,
263.703

Harmonies

Complementary

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



47, 12.300, 73.854



45, 11.560, 260.901

Rectangle

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



47, 12.300, 73.854



47, 12.300, 123.854



47, 12.300, 253.854



47, 12.300, 303.854

Sweetspot

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



47, 12.300, 73.863



65, 4.458, 76.022



43, 16.826, 345.937



33, 3.161, 75.876



84, 0.010, 296.813



35, 0.005, 296.813

Same Dimension

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



47, 12.300, 73.863



59, 18.799, 73.084



52, 18.954, 107.729



25, 2.485, 75.926



34, 49.669, 63.215



67, 84.393, 61.082

Inverse Universe

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



45, 11.560, 260.901



56, 17.373, 262.089



40, 20.125, 293.172



24, 2.442, 258.248



26, 42.444, 283.916



53, 75.347, 286.447

Previews

White Background



This preview shows how the CIELCh color 47, 12.300, 73.854 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 CIELCh color 47, 12.300, 73.854 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

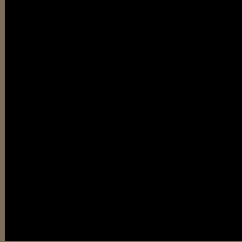
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 47, 12.300, 73.854

Background



This preview shows how black text looks on a background with the CIELCh color 47, 12.300, 73.854.



This preview shows how white text looks on a background with the CIELCh color 47, 12.300, 73.854.

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, 12.300, 73.854

Protanopia

47, 11.026, 92.673

Deuteranopia

47, 13.248, 61.713



Tritanopia
47, 9.856, 352.088

Trichromacy



Original Color
47, 12.300, 73.854

Protanomaly
47, 10.940, 85.278

Deuteranomaly
47, 12.697, 67.552

Tritanomaly
47, 8.048, 24.508

Monochromacy



Original Color
47, 12.300, 73.854

Achromatopsia
47, 0.006, 296.813

Achromatomaly
47, 4.327, 74.175

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 47, 12.300, 73.854 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(125, 109, 92)` looks like.

```
.text, #text, p{  
    color:rgb(125, 109, 92)  
}
```

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(125, 109, 92) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(125, 109, 92) }
```

Border

The CSS property to change the border of an element to CIELCh 47, 12.300, 73.854 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(125, 109, 92) }
```

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

```
.border{ border-color:rgb(125, 109, 92) }
```

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

Here you see how a box with a 4 pixel `rgb(125, 109, 92)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(125, 109, 92); -webkit-box-  
shadow:4px 4px 4px 4px rgb(125, 109, 92);  
box-shadow:4px 4px 4px 4px rgb(125, 109,  
92) }
```

Background

The CSS property to change the background color of an element to CIELCh 47, 12.300, 73.854 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(125, 109, 92) }
```

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

```
.background{ background-color: rgb(125,  
109, 92) }
```

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