

Converting Colors

CIELCh(47, 12.230, 36.363)

Have a look what the booklet for
CIELCh(47, 12.230, 36.363) contains.

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Color

CIELCh(47, 12.096, 34.731)

Conversions

Conversions Part 1

Format	Color
Hex	846964
RGB	132, 105, 100
RGB Percent	52%, 41%, 39%
CMY	0.4811, 0.5871, 0.6067
CMYK	0.00, 0.20, 0.24, 0.48
HSL	9°, 14%, 46%
HSV	9°, 24%, 52%
XYZ	16.9601, 16.0195, 14.3288
YIQ	112.5030, 17.6970, 4.1690

Conversions

Conversions Part 2

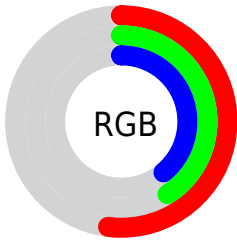
Format	Color
R _Y B	132, 106, 100
Decimal	8677732
CIE Lab	47.00, 9.94, 6.89
CIE LCh	47, 12.096, 34.731
Yxy	16.0195, 0.3585, 0.3386
Android (android.graphics.Color)	4286867812 (0xFF846964)
YUV	112.5030, -6.1640, 17.0989
Hunter-Lab	40.0243, 5.5961, 6.7911

Details

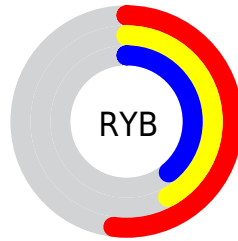
The CIELCh color **47, 12.096, 34.731** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **51, 10.306, 214.968**, and the grayscale version is **48, 0.006, 296.813**.

A 20% lighter version of the original color is **67, 12.299, 33.278**, and **27, 12.234, 36.568** is the 20% darker color. If you saturate the color by 10%, you get **44, 17.797, 35.084**, and if you desaturate by 10%, it is **50, 6.816, 34.536**.

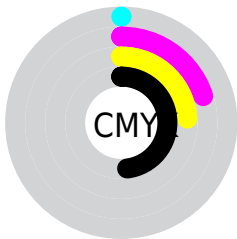
Distribution



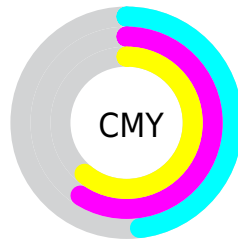
- Red (52%)
- Green (41%)
- Blue (39%)



- Red (52%)
- Yellow (42%)
- Blue (39%)



- Cyan (0%)
- Magenta (20%)
- Yellow (24%)
- Black (48%)



- Cyan (48%)
- Magenta (59%)
- Yellow (61%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 47, 12.096, 34.731 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, 12.096, 34.731 by changing the saturation by 10% instead.

■ 47, 12.096, 34.731

■ 47, 12.096, 34.731

■ 100, 12.096,
34.731

■ 37, 12.096, 34.731

■ 67, 12.096, 34.731

■ 27, 12.096, 34.731

■ 77, 12.096, 34.731

■ 17, 12.096, 34.731

■ 87, 12.096, 34.731

■ 7, 12.096, 34.731

■ 97, 12.096, 34.731

■ 0, 12.096, 34.731

■ 47, 12.096, 34.731

■ 47, 12.096, 34.731

■ 44, 17.797, 35.084

■ 50, 6.816, 34.536

■ 41, 23.931, 35.622

■ 54, 1.937, 34.330

38, 30.474, 36.401

57, 2.576, 214.735

35, 37.360, 37.453

61, 6.759, 214.743

32, 44.444, 38.771

64, 10.648,
214.877

30, 51.424, 40.237

68, 14.278,
215.061

29, 57.601, 41.412

28, 60.646, 42.042

71, 17.678,
215.275

75, 20.878,
215.508

79, 23.902,
215.754

Harmonies

Complementary

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



47, 12.096, 34.731



51, 10.306, 214.968

Rectangle

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



47, 12.096, 34.731



47, 12.096, 84.731



47, 12.096, 214.731



47, 12.096, 264.731

Sweetspot

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



47, 12.095, 34.739



67, 4.026, 34.424



47, 20.473, 330.249



35, 2.641, 34.434



86, 0.010, 296.813



37, 0.005, 296.813

Same Dimension

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



47, 12.095, 34.739



58, 18.259, 34.906



51, 13.004, 86.773



26, 2.658, 34.460



27, 59.764, 41.975



0, 0.616, 34.538

Inverse Universe

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



51, 10.306, 214.968



64, 14.936, 215.158



47, 12.874, 273.214



27, 2.513, 214.707



42, 26.440, 225.057



0, 0.616, 214.557

Previews

White Background



This preview shows how the CIELCh color 47, 12.096, 34.731 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, 12.096, 34.731 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

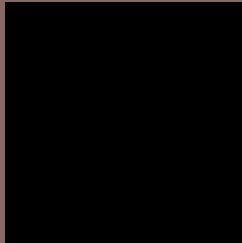
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 47, 12.096, 34.731

Background



This preview shows how black text looks on a background with the CIELCh color 47, 12.096, 34.731.



This preview shows how white text looks on a background with the CIELCh color 47, 12.096, 34.731.

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, 12.096, 34.731

Protanopia

47, 5.154, 85.421

Deuteranopia

47, 9.483, 49.831



Tritanopia
47, 13.339, 0.545

Trichromacy



Original Color
47, 12.096, 34.731

Protanomaly
47, 6.912, 56.400

Deuteranomaly
47, 10.398, 43.616

Tritanomaly
47, 12.447, 10.137

Monochromacy



Original Color
47, 12.096, 34.731

Achromatopsia
48, 0.006, 296.813

Achromatomaly
47, 4.324, 35.569

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 47, 12.096, 34.731 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(132, 105, 100)` looks like.

```
.text, #text, p{  
    color:rgb(132, 105, 100)  
}
```

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(132, 105, 100) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 105, 100) }
```

Border

The CSS property to change the border of an element to CIELCh 47, 12.096, 34.731 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(132, 105, 100) }
```

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

```
.border{ border-color:rgb(132, 105, 100) }
```

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

Here you see how a box with a 4 pixel `rgb(132, 105, 100)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(132, 105, 100); -webkit-box-  
shadow:4px 4px 4px 4px rgb(132, 105, 100);  
box-shadow:4px 4px 4px 4px rgb(132, 105,  
100) }
```

Background

The CSS property to change the background color of an element to CIELCh 47, 12.096, 34.731 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 105, 100) }
```

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

```
.background{ background-color: rgb(132,  
105, 100) }
```

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](#).

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