

Converting Colors

CIELCh(47, 24.505, 45.407)

Have a look what the booklet for
CIELCh(47, 24.505, 45.407) contains.

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Color

CIELCh(47, 24.561, 45.405)

Conversions

Conversions Part 1

Format	Color
Hex	946453
RGB	148, 100, 83
RGB Percent	58%, 39%, 33%
CMY	0.4198, 0.6080, 0.6747
CMYK	0.00, 0.32, 0.44, 0.42
HSL	16°, 28%, 45%
HSV	16°, 44%, 58%
XYZ	18.3147, 16.0195, 10.3008
YIQ	112.4140, 34.0650, 4.8890

Conversions

Conversions Part 2

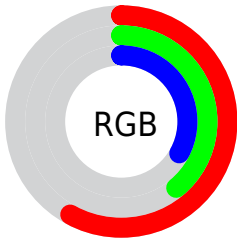
Format	Color
R_{YB}	148, 106, 83
Decimal	9725011
CIE _{Lab}	47.00, 17.24, 17.49
CIE _{LCh}	47, 24.561, 45.405
Yxy	16.0195, 0.4103, 0.3589
Android (android.graphics.Color)	4287915091 (0xFF946453)
YUV	112.4140, -14.5011, 31.2089
Hunter-Lab	40.0243, 11.6374, 12.7580

Details

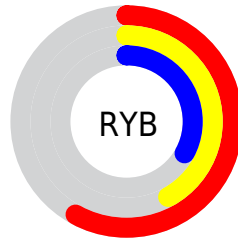
The CIELCh color **47, 24.561, 45.405** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **52, 18.326, 230.955**, and the grayscale version is **47, 0.006, 296.813**.

A 20% lighter version of the original color is **67, 24.556, 44.676**, and **27, 24.510, 45.597** is the 20% darker color. If you saturate the color by 10%, you get **44, 31.333, 45.420**, and if you desaturate by 10%, it is **50, 18.236, 45.545**.

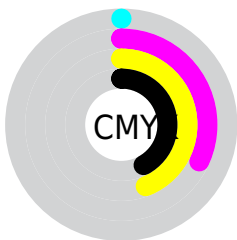
Distribution



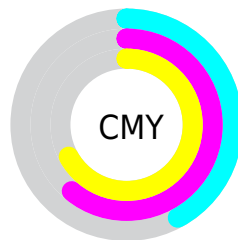
- Red (58%)
- Green (39%)
- Blue (33%)



- Red (58%)
- Yellow (42%)
- Blue (33%)



- Cyan (0%)
- Magenta (32%)
- Yellow (44%)
- Black (42%)



- Cyan (42%)
- Magenta (61%)
- Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 47, 24.561, 45.405 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, 24.561, 45.405 by changing the saturation by 10% instead.

■ 47, 24.561, 45.405

■ 47, 24.561, 45.405

■ 100, 24.561,
45.405

■ 37, 24.561, 45.405

■ 67, 24.561, 45.405

■ 27, 24.561, 45.405

■ 77, 24.561, 45.405

■ 17, 24.561, 45.405

■ 87, 24.561, 45.405

■ 7, 24.561, 45.405

■ 97, 24.561, 45.405

■ 0, 24.561, 45.405

■ 47, 24.561, 45.405

■ 47, 24.561, 45.405

■ 44, 31.333, 45.420

■ 50, 18.236, 45.545

■ 41, 38.505, 45.582

■ 53, 12.364, 45.799

39, 45.938, 45.859

57, 6.922, 46.138

36, 53.305, 46.115

60, 1.879, 46.418

34, 59.903, 45.998

63, 2.805, 227.287

33, 63.764, 46.173

67, 7.168, 227.731

70, 11.246,
228.270

74, 15.074,
228.834

77, 18.683,
229.406

Harmonies

Complementary

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



47, 24.561, 45.405



52, 18.326, 230.955

Rectangle

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



47, 24.561, 45.405



47, 24.561, 95.405



47, 24.561, 225.405



47, 24.561, 275.405

Sweetspot

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



47, 24.560, 45.410



72, 7.944, 46.162



44, 37.587, 335.356



37, 5.647, 46.089



89, 0.011, 296.813



41, 0.006, 296.813

Same Dimension

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



47, 24.560, 45.410



57, 37.982, 45.421



55, 28.553, 91.925



30, 2.756, 46.306



31, 60.160, 46.185



1, 2.336, 46.821

Inverse Universe

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



52, 18.326, 230.955



64, 26.095, 232.734



43, 29.590, 284.215



30, 2.618, 227.438



40, 29.114, 247.365



2, 2.337, 226.841

Previews

White Background



This preview shows how the CIELCh color 47, 24.561, 45.405 looks on a white background.

Color Contrast Check

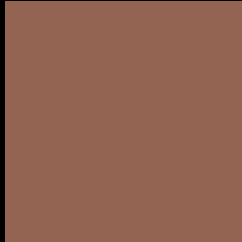
Large Text (above 18pt) WCAG AA ✓ Pass

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, 24.561, 45.405 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

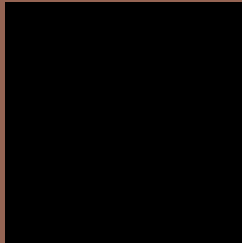
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 47, 24.561, 45.405

Background



This preview shows how black text looks on a background with the CIELCh color 47, 24.561, 45.405.



This preview shows how white text looks on a background with the CIELCh color 47, 24.561, 45.405.

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, 24.561, 45.405

Protanopia

47, 14.425, 95.859

Deuteranopia

47, 18.797, 70.871



Tritanopia
47, 23.057, 12.436

Trichromacy



Original Color
47, 24.561, 45.405

Protanomaly
47, 16.433, 71.367

Deuteranomaly
47, 20.555, 59.242

Tritanomaly
47, 22.593, 25.252

Monochromacy



Original Color
47, 24.561, 45.405

Achromatopsia
47, 0.006, 296.813

Achromatomaly
47, 8.397, 49.401

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 47, 24.561, 45.405 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(148, 100, 83)` looks like.

```
.text, #text, p{  
    color:rgb(148, 100, 83)  
}
```

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(148, 100, 83) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(148, 100, 83) }
```

Border

The CSS property to change the border of an element to CIELCh 47, 24.561, 45.405 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(148, 100, 83) }
```

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

```
.border{ border-color:rgb(148, 100, 83) }
```

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

Here you see how a box with a 4 pixel `rgb(148, 100, 83)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(148, 100, 83); -webkit-box-  
shadow:4px 4px 4px 4px rgb(148, 100, 83);  
box-shadow:4px 4px 4px 4px rgb(148, 100,  
83) }
```

Background

The CSS property to change the background color of an element to CIELCh 47, 24.561, 45.405 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(148, 100, 83) }
```

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

```
.background{ background-color: rgb(148,  
100, 83) }
```

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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