

Converting Colors

CIELCh(47, 27.872, 124.118)

Have a look what the booklet for
CIELCh(47, 27.872, 124.118)
contains.

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Color

CIELCh(47, 27.872, 124.118)

Conversions

Conversions Part 1

Format	Color
Hex	637648
RGB	99, 118, 72
RGB Percent	39%, 46%, 28%
CMY	0.6125, 0.5380, 0.7183
CMYK	0.16, 0.00, 0.39, 0.54
HSL	85°, 24%, 37%
HSV	85°, 39%, 46%
XYZ	12.7448, 16.0195, 8.5206
YIQ	107.0750, 3.4420, -18.3340

Conversions

Conversions Part 2

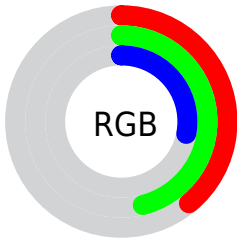
Format	Color
R_{YB}	72, 118, 91
Decimal	6518344
CIE Lab	47.00, -15.63, 23.07
CIE LCh	47, 27.872, 124.118
Yxy	16.0195, 0.3418, 0.4297
Android (android.graphics.Color)	4284708424 (0xFF637648)
YUV	107.0750, -17.2920, -7.0818
Hunter-Lab	40.0243, -13.2035, 15.3951

Details

The CIELCh color $47, 27.872, 124.118$ is a dark color, and the websafe version is hex 666633 . A complement of this color would be $34, 29.721, 308.104$, and the grayscale version is $45, 0.006, 296.813$.

A 20% lighter version of the original color is $67, 27.891, 124.375$, and $27, 28.129, 124.469$ is the 20% darker color. If you saturate the color by 10%, you get $46, 34.688, 123.678$, and if you desaturate by 10%, it is $48, 20.844, 124.600$.

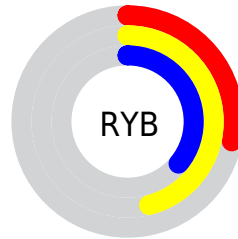
Distribution



Red (39%)

Green (46%)

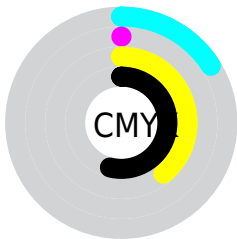
Blue (28%)



Red (28%)

Yellow (46%)

Blue (36%)

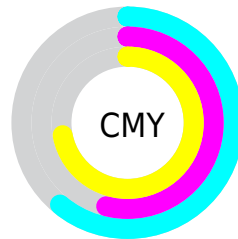


Cyan (16%)

Magenta (0%)

Yellow (39%)

Black (54%)



Cyan (61%)


Magenta (54%)

Yellow (72%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 47, 27.872, 124.118 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, 27.872, 124.118 by changing the saturation by 10% instead.

 47, 27.872,
124.118


 47, 27.872,
124.118


 100, 27.872,
124.118


 37, 27.872,
124.118

 67, 27.872,
124.118


 27, 27.872,
124.118

 77, 27.872,
124.118

 17, 27.872,
124.118

 87, 27.872,
124.118

 7, 27.872, 124.118

 97, 27.872,
124.118

 0, 27.872, 124.118

 47, 27.872,

 47, 27.872,

124.118

■ 46, 34.688,
123.678

■ 46, 41.148,
123.321

■ 46, 47.057,
123.117

■ 45, 52.154,
123.159

■ 45, 56.152,
123.554

■ 45, 59.291,
124.183

■ 44, 59.600,
124.231

124.118

■ 48, 20.844,
124.600

■ 48, 13.697,
125.090

■ 49, 6.500, 125.573

■ 50, 0.699, 305.935

■ 50, 7.867, 306.442

■ 51, 14.978,
306.844

■ 52, 22.016,
307.211

■ 53, 28.966,
307.547

■ 54, 35.819,

Harmonies

Complementary

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



47, 27.872, 124.118



34, 29.721, 308.104

Rectangle

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



47, 27.872, 124.118



47, 27.872, 174.118



47, 27.872, 304.118



47, 27.872, 354.118

Sweetspot

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



47, 27.873, 124.120



62, 10.696, 125.417



41, 17.256, 60.199



32, 7.053, 125.372



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, 27.873, 124.120



60, 41.223, 123.713



46, 32.069, 139.352



24, 4.034, 125.574



46, 61.286, 124.297



89, 104.669, 125.182

Inverse Universe

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



34, 29.721, 308.104



41, 44.746, 308.686



37, 32.275, 323.485



23, 4.094, 306.394



16, 73.517, 310.492



37, 125.447, 309.905

Previews

White Background



This preview shows how the CIELCh color 47, 27.872, 124.118 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, 27.872, 124.118 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

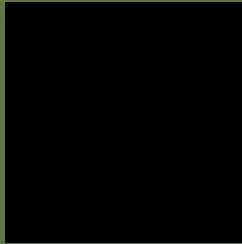
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 47, 27.872, 124.118

Background



This preview shows how black text looks on a background with the CIELCh color 47, 27.872, 124.118.



This preview shows how white text looks on a background with the CIELCh color 47, 27.872, 124.118.

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, 27.872, 124.118

Protanopia

47, 24.917, 96.041

Deuteranopia

47, 22.877, 74.288



Tritanopia
47, 5.767, 267.065

Trichromacy



Original Color
47, 27.872, 124.118

Protanomaly
47, 24.947, 106.703

Deuteranomaly
47, 22.264, 94.006

Tritanomaly
47, 7.958, 143.926

Monochromacy



Original Color
47, 27.872, 124.118

Achromatopsia
45, 0.006, 296.813

Achromatomaly
46, 10.492, 125.225

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 47, 27.872, 124.118 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(99, 118, 72)` looks like.

```
.text, #text, p{  
    color:rgb(99, 118, 72)  
}
```

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(99, 118, 72) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 118, 72) }
```

Border

The CSS property to change the border of an element to CIELCh 47, 27.872, 124.118 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(99, 118, 72) }
```

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

```
.border{ border-color:rgb(99, 118, 72) }
```

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

Here you see how a box with a 4 pixel `rgb(99, 118, 72)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 118, 72); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 118, 72);  
box-shadow:4px 4px 4px 4px rgb(99, 118,  
72) }
```

Background

The CSS property to change the background color of an element to CIELCh 47, 27.872, 124.118 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 118, 72) }
```

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

```
.background{ background-color: rgb(99, 118,  
72) }
```

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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