

Converting Colors

CIELCh(47, 12.475, 143.572)

Have a look what the booklet for
CIELCh(47, 12.475, 143.572)
contains.

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Color

CIELCh(47, 12.295, 143.604)

Conversions

Conversions Part 1

Format	Color
Hex	637463
RGB	99, 116, 99
RGB Percent	39%, 45%, 39%
CMY	0.6121, 0.5454, 0.6121
CMYK	0.15, 0.00, 0.15, 0.55
HSL	120°, 8%, 42%
HSV	120°, 15%, 45%
XYZ	13.6212, 16.0195, 14.1587
YIQ	108.9790, -4.6750, -8.8910

Conversions

Conversions Part 2

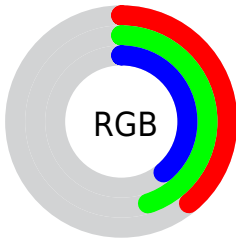
Format	Color
R_{YB}	99, 116, 116
Decimal	6517859
CIE _{Lab}	47.00, -9.90, 7.30
CIE _{LCh}	47, 12.295, 143.604
Yxy	16.0195, 0.3110, 0.3657
Android (android.graphics.Color)	4284707939 (0xFF637463)
YUV	108.9790, -4.9196, -8.7516
Hunter-Lab	40.0243, -9.2948, 7.0430

Details

The CIELCh color $47, 12.295, 143.604$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $44, 12.309, 325.193$, and the grayscale version is $46, 0.006, 296.813$.

A 20% lighter version of the original color is $67, 12.148, 143.834$, and $27, 12.717, 143.103$ is the 20% darker color. If you saturate the color by 10%, you get $46, 20.732, 142.895$, and if you desaturate by 10%, it is $48, 3.884, 144.237$.

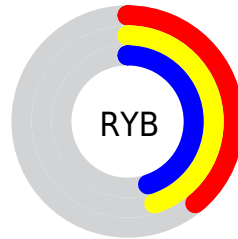
Distribution



Red (39%)

Green (45%)

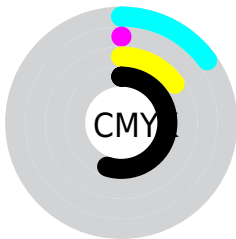
Blue (39%)



Red (39%)

Yellow (45%)

Blue (45%)

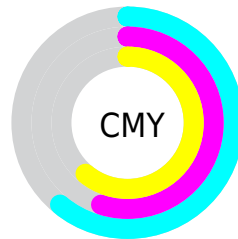


Cyan (15%)

Magenta (0%)

Yellow (15%)

Black (55%)



Cyan (61%)

Magenta (55%)

Yellow (61%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 47, 12.295, 143.604 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, 12.295, 143.604 by changing the saturation by 10% instead.

 47, 12.295,
143.604


 47, 12.295,
143.604

 100, 12.295,
143.604


 37, 12.295,
143.604

 67, 12.295,
143.604


 27, 12.295,
143.604

 77, 12.295,
143.604


 17, 12.295,
143.604


 87, 12.295,
143.604

 7, 12.295, 143.604

 97, 12.295,
143.604

 0, 12.295, 143.604

 47, 12.295,

 47, 12.295,

143.604

143.604

■ 46, 20.732,
142.895

■ 48, 3.884, 144.237

■ 45, 29.069,
142.080

■ 50, 4.415, 324.667

■ 44, 37.148,
141.155

■ 51, 12.539,
325.130

■ 43, 44.767,
140.133

■ 52, 20.450,
325.508

■ 43, 51.679,
139.053

■ 54, 28.122,
325.828

■ 43, 57.596,
137.992

■ 56, 35.547,
326.102

■ 42, 62.209,
137.065

■ 58, 42.723,
326.336

■ 42, 65.364,
136.374

■ 59, 49.655,
326.538

■ 42, 66.919,
136.017

■ 61, 56.351,
326.713

Harmonies

Complementary

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



47, 12.295, 143.604



44, 12.309, 325.193

Rectangle

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



47, 12.295, 143.604



47, 12.295, 193.604



47, 12.295, 323.604



47, 12.295, 13.604

Sweetspot

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



47, 12.296, 143.604



62, 4.121, 144.275



48, 9.943, 108.832



32, 2.954, 144.233



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, 12.296, 143.604



60, 18.713, 143.347



47, 8.547, 162.491



24, 4.750, 143.963



44, 69.575, 136.017



86, 117.958, 136.016

Inverse Universe

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



44, 12.309, 325.193



55, 18.729, 325.393



44, 8.700, 344.811



23, 4.757, 324.891



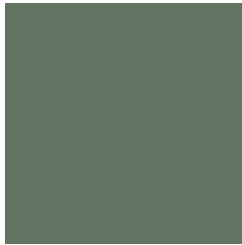
28, 67.127, 328.234



59, 113.806, 328.235

Previews

White Background



This preview shows how the CIELCh color 47, 12.295, 143.604 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, 12.295, 143.604 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

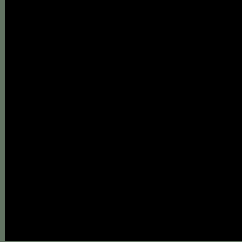
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 47, 12.295, 143.604

Background



This preview shows how black text looks on a background with the CIELCh color 47, 12.295, 143.604.

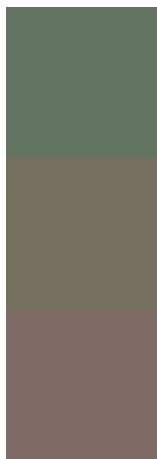


This preview shows how white text looks on a background with the CIELCh color 47, 12.295, 143.604.

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, 12.295, 143.604

Protanopia

47, 9.202, 92.643

Deuteranopia

47, 8.913, 43.522



Tritanopia
47, 6.488, 254.538

Trichromacy



Original Color
47, 12.295, 143.604

Protanomaly
47, 9.503, 116.581

Deuteranomaly
47, 6.422, 85.959

Tritanomaly
47, 4.744, 198.939

Monochromacy



Original Color
47, 12.295, 143.604

Achromatopsia
46, 0.006, 296.813

Achromatomaly
46, 5.067, 144.137

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 47, 12.295, 143.604 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, 116, 99)` looks like.

```
.text, #text, p{  
    color:rgb(99, 116, 99)  
}
```

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, 116, 99) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 116, 99) }
```

Border

The CSS property to change the border of an element to CIELCh 47, 12.295, 143.604 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, 116, 99) }
```

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

```
.border{ border-color:rgb(99, 116, 99) }
```

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

Here you see how a box with a 4 pixel `rgb(99, 116, 99)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 116, 99); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 116, 99);  
box-shadow:4px 4px 4px 4px rgb(99, 116,  
99) }
```

Background

The CSS property to change the background color of an element to CIELCh 47, 12.295, 143.604 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 116, 99) }
```

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

```
.background{ background-color: rgb(99, 116,  
99) }
```

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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