

Converting Colors

CIELCh(47, 12.669, 196.907)

Have a look what the booklet for
CIELCh(47, 12.669, 196.907)
contains.

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Color

CIELCh(47, 12.729, 195.341)

Conversions

Conversions Part 1

Format	Color
Hex	547675
RGB	84, 118, 117
RGB Percent	33%, 46%, 46%
CMY	0.6719, 0.5386, 0.5425
CMYK	0.29, 0.00, 0.01, 0.54
HSL	178°, 17%, 39%
HSV	178°, 29%, 46%
XYZ	13.2531, 16.0195, 19.1156
YIQ	107.7200, -19.9430, -7.5190

Conversions

Conversions Part 2

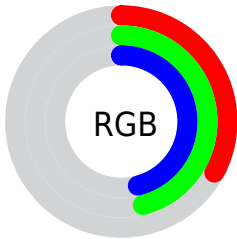
Format	Color
R_{YB}	84, 101, 118
Decimal	5535349
CIE _{Lab}	47.00, -12.28, -3.37
CIE _{LCh}	47, 12.729, 195.341
Yxy	16.0195, 0.2739, 0.3311
Android (android.graphics.Color)	4283725429 (0xFF547675)
YUV	107.7200, 4.5750, -20.8024
Hunter-Lab	40.0243, -10.9366, -0.2999

Details

The CIELCh color $47, 12.729, 195.341$ is a dark color, and the websafe version is hex 336666 . A complement of this color would be $39, 15.179, 19.359$, and the grayscale version is $45, 0.006, 296.813$.

A 20% lighter version of the original color is $67, 12.551, 195.836$, and $27, 12.757, 194.465$ is the 20% darker color. If you saturate the color by 10%, you get $46, 16.513, 194.808$, and if you desaturate by 10%, it is $48, 8.582, 195.901$.

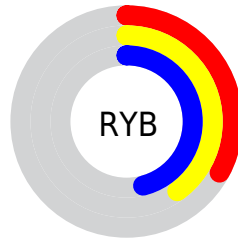
Distribution



Red (33%)

Green (46%)

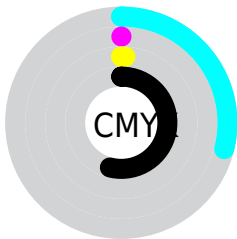
Blue (46%)



Red (33%)

Yellow (40%)

Blue (46%)

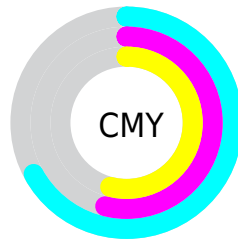


Cyan (29%)

Magenta (0%)

Yellow (1%)

Black (54%)



Cyan (67%)


Magenta (54%)


Yellow (54%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 47, 12.729, 195.341 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, 12.729, 195.341 by changing the saturation by 10% instead.


 47, 12.729,
195.341


 47, 12.729,
195.341


 100, 12.729,
195.341


 37, 12.729,
195.341

 67, 12.729,
195.341


 27, 12.729,
195.341

 77, 12.729,
195.341

 17, 12.729,
195.341


 87, 12.729,
195.341

 7, 12.729, 195.341

 97, 12.729,
195.341

 0, 12.729, 195.341

 47, 12.729,

 47, 12.729,

195.341

■ 46, 16.513,
194.808

■ 46, 19.864,
194.311

■ 45, 22.722,
193.843

■ 45, 25.041,
193.403

■ 45, 26.800,
192.984

■ 45, 28.006,
192.578

■ 44, 28.837,
192.182

■ 44, 28.928,
192.139

195.341

■ 48, 8.582, 195.901

■ 49, 4.140, 196.521

■ 50, 0.528, 16.320

■ 51, 5.361, 17.565

■ 52, 10.307, 18.220

■ 53, 15.321, 18.860

■ 54, 20.367, 19.496

■ 56, 25.418, 20.129

■ 57, 30.452, 20.756

Harmonies

Complementary

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



47, 12.729, 195.341



39, 15.179, 19.359

Rectangle

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



47, 12.729, 195.341



47, 12.729, 245.341



47, 12.729, 15.341



47, 12.729, 65.341

Sweetspot

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



47, 12.729, 195.337



62, 5.193, 196.498



46, 24.311, 141.760



32, 3.577, 196.420



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, 12.729, 195.337



60, 18.648, 194.964



42, 11.485, 255.840



24, 2.613, 196.511



46, 29.763, 192.122



89, 50.528, 191.891

Inverse Universe

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



39, 15.179, 19.359



48, 23.332, 20.237



43, 12.583, 68.461



23, 2.751, 17.477



24, 58.221, 36.828



52, 101.835, 39.178

Previews

White Background



This preview shows how the CIELCh color 47, 12.729, 195.341 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, 12.729, 195.341 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

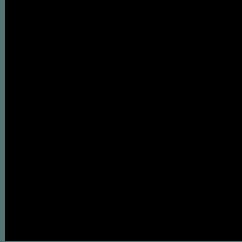
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 47, 12.729, 195.341

Background



This preview shows how black text looks on a background with the CIELCh color 47, 12.729, 195.341.



This preview shows how white text looks on a background with the CIELCh color 47, 12.729, 195.341.

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, 12.729, 195.341

Protanopia
47, 1.715, 335.706

Deuteranopia
47, 7.690, 322.380



Tritanopia
47, 12.175, 227.677

Trichromacy



Original Color
47, 12.729, 195.341

Protanomaly
47, 4.376, 206.796

Deuteranomaly
47, 4.223, 256.739

Tritanomaly
47, 12.104, 215.396

Monochromacy



Original Color
47, 12.729, 195.341

Achromatopsia
45, 0.006, 296.813

Achromatomaly
46, 4.764, 198.925

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 47, 12.729, 195.341 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(84, 118, 117)` looks like.

```
.text, #text, p{  
    color:rgb(84, 118, 117)  
}
```

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(84, 118, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(84, 118, 117) }
```

Border

The CSS property to change the border of an element to CIELCh 47, 12.729, 195.341 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(84, 118, 117) }
```

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

```
.border{ border-color:rgb(84, 118, 117) }
```

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

Here you see how a box with a 4 pixel rgb(84, 118, 117) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(84, 118, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(84, 118, 117);  
box-shadow:4px 4px 4px 4px rgb(84, 118,  
117) }
```

Background

The CSS property to change the background color of an element to CIELCh 47, 12.729, 195.341 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(84, 118, 117) }
```

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

```
.background{ background-color: rgb(84, 118,  
117) }
```

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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