

Converting Colors

CIELCh(47, 12.297, 198.083)

Have a look what the booklet for
CIELCh(47, 12.297, 198.083)
contains.

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Color

CIELCh(47, 12.321, 198.068)

Conversions

Conversions Part 1

Format	Color
Hex	547575
RGB	84, 117, 117
RGB Percent	33%, 46%, 46%
CMY	0.6690, 0.5395, 0.5395
CMYK	0.28, 0.00, 0.00, 0.54
HSL	180°, 16%, 40%
HSV	180°, 28%, 46%
XYZ	13.3394, 16.0195, 19.3489
YIQ	107.1330, -19.6680, -6.9960

Conversions

Conversions Part 2

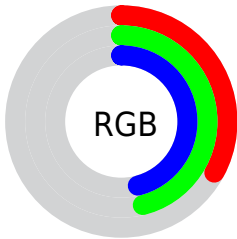
Format	Color
RYB	84, 101, 117
Decimal	5535093
CIELab	47.00, -11.71, -3.82
CIELCh	47, 12.321, 198.068
Yxy	16.0195, 0.2739, 0.3289
Android (android.graphics.Color)	4283725173 (0xFF547575)
YUV	107.1330, 4.8644, -20.2876
Hunter-Lab	40.0243, -10.5514, -0.6454

Details

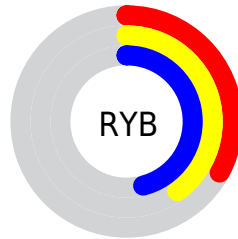
The CIELCh color $47, 12.321, 198.068$ is a dark color, and the websafe version is hex 336666 . A complement of this color would be $39, 14.762, 21.525$, and the grayscale version is $45, 0.006, 296.813$.

A 20% lighter version of the original color is $67, 12.165, 198.406$, and $27, 12.326, 197.475$ is the 20% darker color. If you saturate the color by 10%, you get $46, 16.075, 197.653$, and if you desaturate by 10%, it is $48, 8.196, 198.530$.

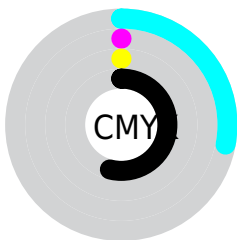
Distribution



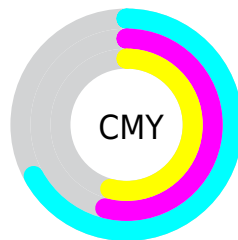
- Red (33%)
- Green (46%)
- Blue (46%)



- Red (33%)
- Yellow (40%)
- Blue (46%)



- Cyan (28%)
- Magenta (0%)
- Yellow (0%)
- Black (54%)



- Cyan (67%)
- Magenta (54%)
- Yellow (54%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 47, 12.321, 198.068 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, 12.321, 198.068 by changing the saturation by 10% instead.

 47, 12.321,
198.068

 47, 12.321,
198.068

 100, 12.321,
198.068


 37, 12.321,
198.068

 67, 12.321,
198.068


 27, 12.321,
198.068

 77, 12.321,
198.068

 17, 12.321,
198.068

 87, 12.321,
198.068

 7, 12.321, 198.068

 97, 12.321,
198.068

 0, 12.321, 198.068

 47, 12.321,

 47, 12.321,

198.068

■ 46, 16.075,
197.653

■ 46, 19.389,
197.297

■ 45, 22.206,
197.000

■ 45, 24.483,
196.763

■ 45, 26.198,
196.586

■ 45, 27.361,
196.467

■ 44, 28.121,
196.389

■ 44, 28.260,
196.374

198.068

■ 48, 8.196, 198.530

■ 49, 3.768, 199.074

■ 50, 0.896, 19.083

■ 51, 5.735, 19.987

■ 52, 10.696, 20.589

■ 53, 15.734, 21.186

■ 54, 20.814, 21.786

■ 56, 25.906, 22.387

■ 57, 30.989, 22.986

Harmonies

Complementary

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



47, 12.321, 198.068



39, 14.762, 21.525

Rectangle

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



47, 12.321, 198.068



47, 12.321, 248.068



47, 12.321, 18.068



47, 12.321, 68.068

Sweetspot

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



47, 12.321, 198.064



62, 4.613, 199.069



46, 23.749, 142.224



32, 3.249, 198.992



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, 12.321, 198.064



60, 18.047, 197.780



42, 11.333, 257.630



24, 2.606, 199.018



46, 29.112, 196.374



89, 49.357, 196.374

Inverse Universe

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



39, 14.762, 21.525



48, 22.707, 22.312



44, 12.286, 70.336



23, 2.751, 19.857



24, 59.040, 37.985



52, 102.983, 39.998

Previews

White Background



This preview shows how the CIELCh color 47, 12.321, 198.068 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, 12.321, 198.068 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

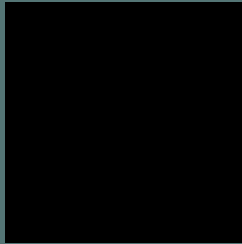
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 47, 12.321, 198.068

Background



This preview shows how black text looks on a background with the CIELCh color 47, 12.321, 198.068.



This preview shows how white text looks on a background with the CIELCh color 47, 12.321, 198.068.

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, 12.321, 198.068

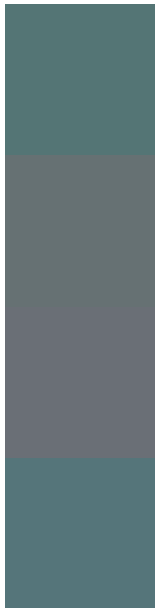
Protanopia
47, 1.968, 314.715

Deuteranopia
47, 7.690, 322.380



Tritanopia
47, 11.962, 224.992

Trichromacy



Original Color
47, 12.321, 198.068

Protanomaly
47, 4.466, 214.430

Deuteranomaly
47, 4.555, 265.214

Tritanomaly
47, 12.013, 212.558

Monochromacy



Original Color
47, 12.321, 198.068

Achromatopsia
46, 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, 12.321, 198.068 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, 117, 117)` looks like.

```
.text, #text, p{  
    color:rgb(84, 117, 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, 117, 117) colored shadow looks like.

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

Border

The CSS property to change the border of an element to CIELCh 47, 12.321, 198.068 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, 117, 117) }
```

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

```
.border{ border-color:rgb(84, 117, 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, 117, 117)` colored shadow looks like.

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

Background

The CSS property to change the background color of an element to CIELCh 47, 12.321, 198.068 is called "background". The background property can be set on classes, ids or directly on the HTML element.

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

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

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