

Converting Colors

CIELCh(47, 16.793, 198.795)

Have a look what the booklet for
CIELCh(47, 16.793, 198.795)
contains.

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Color

CIELCh(47, 16.658, 199.682)

Conversions

Conversions Part 1

Format	Color
Hex	487778
RGB	72, 119, 120
RGB Percent	28%, 47%, 47%
CMY	0.7165, 0.5321, 0.5282
CMYK	0.40, 0.01, 0.00, 0.53
HSL	181°, 25%, 38%
HSV	181°, 40%, 47%
XYZ	12.7371, 16.0195, 20.2872
YIQ	105.0610, -28.3330, -9.6530

Conversions

Conversions Part 2

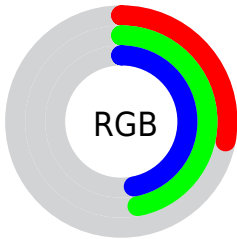
Format	Color
R_{YB}	72, 96, 120
Decimal	4749176
CIE _{Lab}	47.00, -15.68, -5.61
CIE _{LCh}	47, 16.658, 199.682
Yxy	16.0195, 0.2597, 0.3266
Android (android.graphics.Color)	4282939256 (0xFF487778)
YUV	105.0610, 7.3649, -28.9945
Hunter-Lab	40.0243, -13.2377, -2.0355

Details

The CIELCh color $47, 16.658, 199.682$ is a dark color, and the websafe version is hex 336666 . A complement of this color would be $37, 21.862, 24.458$, and the grayscale version is $45, 0.006, 296.813$.

A 20% lighter version of the original color is $67, 16.620, 199.963$, and $27, 16.458, 201.510$ is the 20% darker color. If you saturate the color by 10%, you get $46, 19.868, 199.448$, and if you desaturate by 10%, it is $48, 12.994, 199.984$.

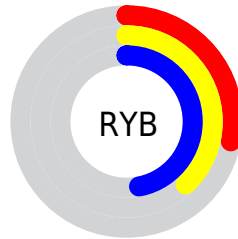
Distribution



Red (28%)

Green (47%)

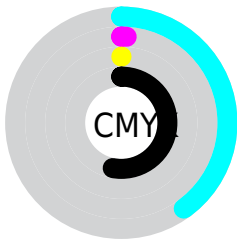
Blue (47%)



Red (28%)

Yellow (38%)

Blue (47%)

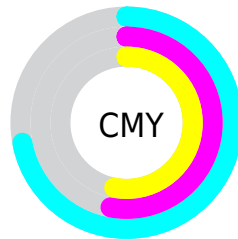


Cyan (40%)

Magenta (1%)

Yellow (0%)

Black (53%)



Cyan (72%)


Magenta (53%)


Yellow (53%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 47, 16.658, 199.682 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, 16.658, 199.682 by changing the saturation by 10% instead.


 47, 16.658,
199.682


 47, 16.658,
199.682


 100, 16.658,
199.682


 37, 16.658,
199.682

 67, 16.658,
199.682


 27, 16.658,
199.682

 77, 16.658,
199.682


 17, 16.658,
199.682


 87, 16.658,
199.682

 7, 16.658, 199.682

 97, 16.658,
199.682

 0, 16.658, 199.682

 47, 16.658,

 47, 16.658,

199.682

199.682

■ 46, 19.868,
199.448

■ 48, 12.994,
199.984

■ 46, 22.564,
199.297

■ 49, 8.941, 200.356

■ 45, 24.705,
199.232

■ 50, 4.572, 200.808

■ 51, 0.049, 13.322

■ 45, 26.274,
199.259

■ 52, 4.857, 21.589

■ 45, 27.283,
199.380

■ 53, 9.800, 22.142

■ 54, 14.832, 22.688

■ 45, 27.947,
199.557

■ 56, 19.917, 23.239

■ 45, 27.954,
199.559

■ 57, 25.023, 23.793

Harmonies

Complementary

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



47, 16.658, 199.682



37, 21.862, 24.458

Rectangle

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



47, 16.658, 199.682



47, 16.658, 249.682



47, 16.658, 19.682



47, 16.658, 69.682

Sweetspot

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



47, 16.658, 199.679



63, 6.798, 200.690



46, 33.993, 142.025



33, 4.533, 200.644



83, 0.010, 296.813



34, 0.005, 296.813

Same Dimension

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



47, 16.658, 199.679



59, 23.674, 199.462



40, 16.839, 263.698



25, 2.643, 200.851



46, 28.721, 199.572



89, 48.277, 199.748

Inverse Universe

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



38, 33.845, 327.067



46, 49.579, 327.506



43, 18.549, 72.363



24, 4.861, 325.454



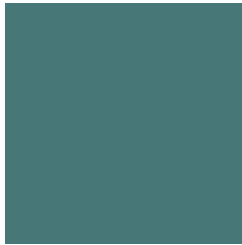
29, 67.068, 329.047



59, 112.804, 329.091

Previews

White Background



This preview shows how the CIELCh color 47, 16.658, 199.682 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, 16.658, 199.682 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

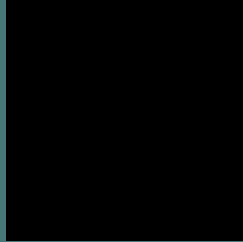
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

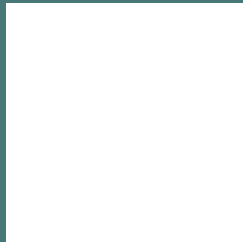
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 47, 16.658, 199.682

Background



This preview shows how black text looks on a background with the CIELCh color 47, 16.658, 199.682.



This preview shows how white text looks on a background with the CIELCh color 47, 16.658, 199.682.

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, 16.658, 199.682

Protanopia

47, 3.085, 305.686

Deuteranopia

47, 9.482, 310.727



Tritanopia
47, 16.067, 219.727

Trichromacy



Original Color
47, 16.658, 199.682

Protanomaly
47, 6.218, 221.352

Deuteranomaly
47, 7.391, 252.668

Tritanomaly
47, 16.053, 212.914

Monochromacy



Original Color
47, 16.658, 199.682

Achromatopsia
44, 0.006, 296.813

Achromatomaly
45, 6.665, 203.846

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 47, 16.658, 199.682 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(72, 119, 120)` looks like.

```
.text, #text, p{  
    color:rgb(72, 119, 120)  
}
```

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(72, 119, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(72, 119, 120) }
```

Border

The CSS property to change the border of an element to CIELCh 47, 16.658, 199.682 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(72, 119, 120) }
```

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

```
.border{ border-color:rgb(72, 119, 120) }
```

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

Here you see how a box with a 4 pixel `rgb(72, 119, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(72, 119, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(72, 119, 120);  
box-shadow:4px 4px 4px 4px rgb(72, 119,  
120) }
```

Background

The CSS property to change the background color of an element to CIELCh 47, 16.658, 199.682 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(72, 119, 120) }
```

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

```
.background{ background-color: rgb(72, 119,  
120) }
```

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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