

Converting Colors

CIELCh(47, 17.867, 207.829)

Have a look what the booklet for
CIELCh(47, 17.867, 207.829)
contains.

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Color

CIELCh(47, 17.921, 207.163)

Conversions

Conversions Part 1

Format	Color
Hex	44787D
RGB	68, 120, 125
RGB Percent	27%, 47%, 49%
CMY	0.7349, 0.5310, 0.5114
CMYK	0.46, 0.04, 0.00, 0.51
HSL	185°, 30%, 38%
HSV	185°, 46%, 49%
XYZ	12.6984, 16.0195, 21.6881
YIQ	105.0220, -32.5970, -9.4690

Conversions

Conversions Part 2

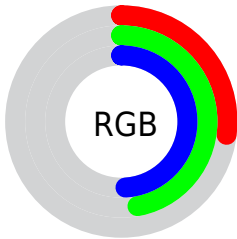
Format	Color
RYB	68, 95, 125
Decimal	4487293
CIELab	47.00, -15.94, -8.18
CIELCh	47, 17.921, 207.163
Yxy	16.0195, 0.2519, 0.3178
Android (android.graphics.Color)	4282677373 (0xFF44787D)
YUV	105.0220, 9.8492, -32.4683
Hunter-Lab	40.0243, -13.4105, -4.1106

Details

The CIELCh color $47, 17.921, 207.163$ is a dark color, and the websafe version is hex 336666 . A complement of this color would be $37, 24.925, 30.139$, and the grayscale version is $44, 0.006, 296.813$.

A 20% lighter version of the original color is $67, 17.785, 208.839$, and $27, 17.912, 207.414$ is the 20% darker color. If you saturate the color by 10%, you get $46, 20.710, 207.450$, and if you desaturate by 10%, it is $48, 14.649, 207.025$.

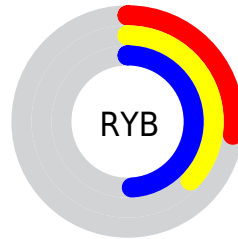
Distribution



Red (27%)

Green (47%)

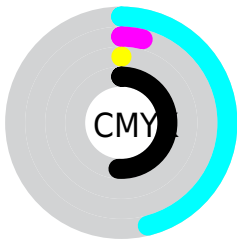
Blue (49%)



Red (27%)

Yellow (37%)

Blue (49%)

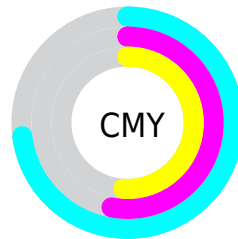


Cyan (46%)

Magenta (4%)

Yellow (0%)

Black (51%)



Cyan (73%)


Magenta (53%)

Yellow (51%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 47, 17.921, 207.163 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, 17.921, 207.163 by changing the saturation by 10% instead.

 47, 17.921,
207.163


 47, 17.921,
207.163


 100, 17.921,
207.163


 37, 17.921,
207.163

 67, 17.921,
207.163


 27, 17.921,
207.163

 77, 17.921,
207.163


 17, 17.921,
207.163


 87, 17.921,
207.163

 7, 17.921, 207.163

 97, 17.921,
207.163

 0, 17.921, 207.163

 47, 17.921,

 47, 17.921,

207.163

207.163

■ 46, 20.710,
207.450

■ 48, 14.649,
207.025

■ 45, 22.964,
207.920

■ 49, 10.957,
207.020

■ 45, 24.648,
208.600

■ 50, 6.916, 207.130

■ 44, 25.760,
209.519

■ 51, 2.591, 207.397

■ 53, 1.955, 27.283

■ 44, 26.370,
210.677

■ 54, 6.669, 27.715

■ 43, 26.594,
211.180

■ 56, 11.502, 28.068

■ 57, 16.418, 28.434

■ 59, 21.383, 28.816

Harmonies

Complementary

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



47, 17.921, 207.163



37, 24.925, 30.139

Rectangle

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



47, 17.921, 207.163



47, 17.921, 257.163



47, 17.921, 27.163



47, 17.921, 77.163

Sweetspot

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



47, 17.921, 207.161



65, 7.696, 207.155



47, 38.120, 143.238



33, 5.260, 207.123



84, 0.010, 296.813



35, 0.005, 296.813

Same Dimension

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



47, 17.921, 207.161



60, 25.392, 207.473



38, 21.529, 271.760



25, 2.481, 207.278



44, 26.648, 211.185



84, 44.678, 212.077

Inverse Universe

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



37, 37.892, 329.419



46, 55.566, 329.974



44, 22.892, 78.043



24, 4.643, 327.371



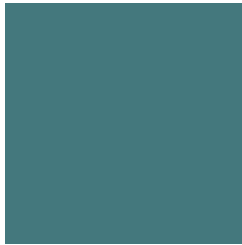
28, 63.746, 331.924



59, 106.925, 332.143

Previews

White Background



This preview shows how the CIELCh color 47, 17.921, 207.163 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, 17.921, 207.163 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

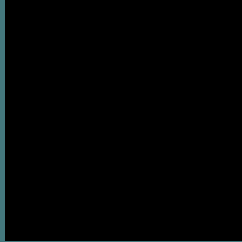
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

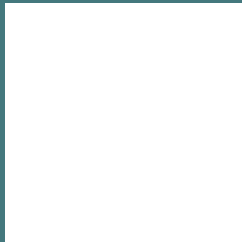
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 47, 17.921, 207.163

Background



This preview shows how black text looks on a background with the CIELCh color 47, 17.921, 207.163.



This preview shows how white text looks on a background with the CIELCh color 47, 17.921, 207.163.

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, 17.921, 207.163

Protanopia

47, 5.359, 295.141

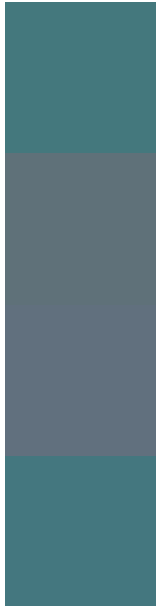
Deuteranopia

47, 11.553, 303.248



Tritanopia
47, 17.636, 217.536

Trichromacy



Original Color
47, 17.921, 207.163

Protanomaly
46, 8.184, 234.404

Deuteranomaly
46, 9.863, 256.722

Tritanomaly
47, 17.735, 213.302

Monochromacy



Original Color
47, 17.921, 207.163

Achromatopsia
44, 0.006, 296.813

Achromatomaly
45, 7.433, 207.897

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 47, 17.921, 207.163 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(68, 120, 125)` looks like.

```
.text, #text, p{  
    color:rgb(68, 120, 125)  
}
```

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(68, 120, 125) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(68, 120, 125) }
```

Border

The CSS property to change the border of an element to CIELCh 47, 17.921, 207.163 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(68, 120, 125) }
```

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

```
.border{ border-color:rgb(68, 120, 125) }
```

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

Here you see how a box with a 4 pixel `rgb(68, 120, 125)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(68, 120, 125); -webkit-box-  
shadow:4px 4px 4px 4px rgb(68, 120, 125);  
box-shadow:4px 4px 4px 4px rgb(68, 120,  
125) }
```

Background

The CSS property to change the background color of an element to CIELCh 47, 17.921, 207.163 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(68, 120, 125) }
```

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

```
.background{ background-color: rgb(68, 120,  
125) }
```

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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