

Converting Colors

CIELCh(47, 16.728, 221.005)

Have a look what the booklet for
CIELCh(47, 16.728, 221.005)
contains.

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Color

CIELCh(47, 16.728, 221.005)

Conversions

Conversions Part 1

Format	Color
Hex	487681
RGB	72, 118, 129
RGB Percent	28%, 46%, 51%
CMY	0.7163, 0.5359, 0.4928
CMYK	0.44, 0.09, 0.00, 0.49
HSL	192°, 28%, 40%
HSV	192°, 44%, 51%
XYZ	13.1997, 16.0195, 23.2822
YIQ	105.5000, -30.9470, -6.3310

Conversions

Conversions Part 2

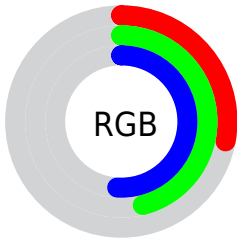
Format	Color
R_{YB}	72, 97, 129
Decimal	4748929
CIE _{Lab}	47.00, -12.62, -10.98
CIE _{LCh}	47, 16.728, 221.005
Yxy	16.0195, 0.2514, 0.3051
Android (android.graphics.Color)	4282939009 (0xFF487681)
YUV	105.5000, 11.5855, -29.3795
Hunter-Lab	40.0243, -11.1745, -6.4721

Details

The CIELCh color $47, 16.728, 221.005$ is a dark color, and the websafe version is hex 336666 . A complement of this color would be $40, 22.849, 38.877$, and the grayscale version is $45, 0.006, 296.813$.

A 20% lighter version of the original color is $67, 16.642, 221.909$, and $27, 16.826, 220.251$ is the 20% darker color. If you saturate the color by 10%, you get $46, 19.552, 222.147$, and if you desaturate by 10%, it is $48, 13.476, 220.149$.

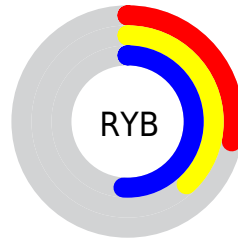
Distribution



Red (28%)

Green (46%)

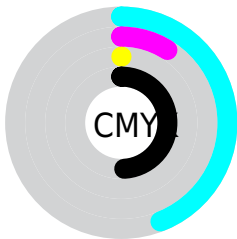
Blue (51%)



Red (28%)

Yellow (38%)

Blue (51%)

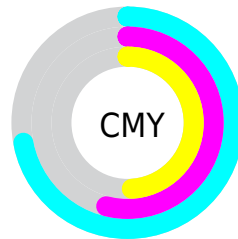


Cyan (44%)

Magenta (9%)

Yellow (0%)

Black (49%)



Cyan (72%)


Magenta (54%)

Yellow (49%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 47, 16.728, 221.005 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, 16.728, 221.005 by changing the saturation by 10% instead.


 47, 16.728,
221.005


 47, 16.728,
221.005


 100, 16.728,
221.005


 37, 16.728,
221.005

 67, 16.728,
221.005


 27, 16.728,
221.005

 77, 16.728,
221.005

 17, 16.728,
221.005

 87, 16.728,
221.005

 7, 16.728, 221.005

 97, 16.728,
221.005

 0, 16.728, 221.005

 47, 16.728,

 47, 16.728,

221.005

■ 46, 19.552,
222.147

■ 44, 21.900,
223.646

■ 43, 23.741,
225.573

■ 42, 25.075,
228.000

■ 41, 25.954,
230.975

■ 41, 26.418,
232.806

221.005

■ 48, 13.476,
220.149

■ 50, 9.857, 219.533

■ 52, 5.931, 219.117

■ 53, 1.759, 218.980

■ 55, 2.609, 38.424

■ 57, 7.126, 38.429

■ 59, 11.752, 38.429

■ 61, 16.457, 38.470

■ 63, 21.213, 38.547

Harmonies

Complementary

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



47, 16.728, 221.005



40, 22.849, 38.877

Rectangle

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



47, 16.728, 221.005



47, 16.728, 271.005



47, 16.728, 41.005



47, 16.728, 91.005

Sweetspot

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



47, 16.728, 221.002



66, 6.810, 219.094



49, 35.322, 146.416



34, 4.719, 219.155



85, 0.010, 296.813



36, 0.005, 296.813

Same Dimension

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



47, 16.728, 221.002



59, 23.749, 222.168



38, 24.364, 279.639



26, 2.378, 218.989



40, 26.144, 232.749



0, 0.000, 0.000

Inverse Universe

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



39, 35.123, 333.048



47, 51.406, 333.741



48, 24.305, 86.924



25, 4.462, 330.794



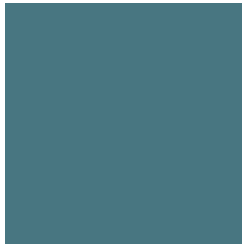
28, 59.770, 337.381



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 47, 16.728, 221.005 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 CIE LCh color 47, 16.728, 221.005 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

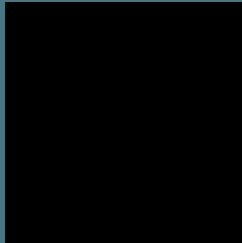
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 47, 16.728, 221.005

Background



This preview shows how black text looks on a background with the CIELCh color 47, 16.728, 221.005.



This preview shows how white text looks on a background with the CIELCh color 47, 16.728, 221.005.

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, 16.728, 221.005

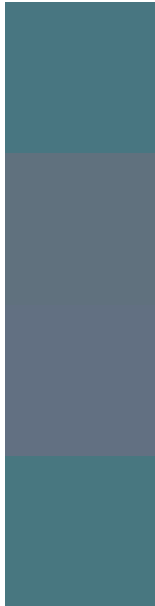
Protanopia
47, 8.303, 288.644

Deuteranopia
47, 13.769, 298.326



Tritanopia
47, 16.757, 216.501

Trichromacy



Original Color
47, 16.728, 221.005

Protanomaly
47, 9.808, 251.009

Deuteranomaly
47, 11.694, 265.456

Tritanomaly
47, 16.757, 216.501

Monochromacy



Original Color
47, 16.728, 221.005

Achromatopsia
45, 0.006, 296.813

Achromatomaly
45, 6.586, 220.094

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 47, 16.728, 221.005 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, 118, 129)` looks like.

```
.text, #text, p{  
    color:rgb(72, 118, 129)  
}
```

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, 118, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(72, 118, 129) }
```

Border

The CSS property to change the border of an element to CIELCh 47, 16.728, 221.005 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, 118, 129) }
```

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

```
.border{ border-color:rgb(72, 118, 129) }
```

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

Here you see how a box with a 4 pixel `rgb(72, 118, 129)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(72, 118, 129); -webkit-box-  
shadow:4px 4px 4px 4px rgb(72, 118, 129);  
box-shadow:4px 4px 4px 4px rgb(72, 118,  
129) }
```

Background

The CSS property to change the background color of an element to CIELCh 47, 16.728, 221.005 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(72, 118, 129) }
```

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

```
.background{ background-color: rgb(72, 118,  
129) }
```

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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