

Converting Colors

CIELCh(47, 15.232, 223.662)

Have a look what the booklet for
CIELCh(47, 15.232, 223.662)
contains.

CIELCh(47, 15.412, 223.224)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(47, 15.412, 223.224)

Conversions

Conversions Part 1

Format	Color
Hex	4D7681
RGB	77, 118, 129
RGB Percent	30%, 46%, 51%
CMY	0.6993, 0.5385, 0.4954
CMYK	0.40, 0.09, 0.00, 0.50
HSL	193°, 25%, 40%
HSV	193°, 40%, 50%
XYZ	13.4140, 16.0195, 23.0373
YIQ	106.9950, -27.9670, -5.2710

Conversions

Conversions Part 2

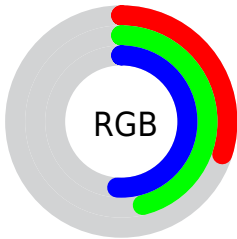
Format	Color
RYB	77, 100, 129
Decimal	5076609
CIELab	47.00, -11.23, -10.55
CIElCh	47, 15.412, 223.224
Yxy	16.0195, 0.2556, 0.3053
Android (android.graphics.Color)	4283266689 (0xFF4D7681)
YUV	106.9950, 10.8485, -26.3056
Hunter-Lab	40.0243, -10.2190, -6.1094

Details

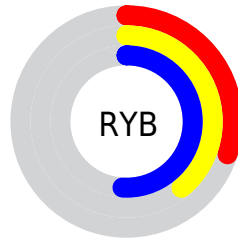
The CIELCh color $47, 15.412, 223.224$ is a dark color, and the websafe version is hex 336666 . A complement of this color would be $41, 20.337, 40.495$, and the grayscale version is $45, 0.006, 296.813$.

A 20% lighter version of the original color is $67, 15.532, 223.788$, and $27, 15.404, 222.694$ is the 20% darker color. If you saturate the color by 10%, you get $46, 18.390, 224.400$, and if you desaturate by 10%, it is $49, 12.043, 222.333$.

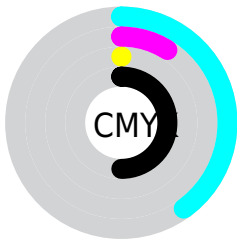
Distribution



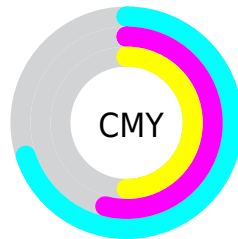
- Red (30%)
- Green (46%)
- Blue (51%)



- Red (30%)
- Yellow (39%)
- Blue (51%)



- Cyan (40%)
- Magenta (9%)
- Yellow (0%)
- Black (50%)





- Cyan (70%)
- Magenta (54%)
- Yellow (50%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 47, 15.412, 223.224 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, 15.412, 223.224 by changing the saturation by 10% instead.


 47, 15.412,
223.224


 47, 15.412,
223.224


 100, 15.412,
223.224


 37, 15.412,
223.224


 67, 15.412,
223.224


 27, 15.412,
223.224

 77, 15.412,
223.224

 17, 15.412,
223.224


 87, 15.412,
223.224

 7, 15.412, 223.224

 97, 15.412,
223.224

 0, 15.412, 223.224

 47, 15.412,

 47, 15.412,

223.224

■ 46, 18.390,
224.400

■ 44, 20.927,
225.936

■ 43, 22.986,
227.903

■ 42, 24.559,
230.380

■ 41, 25.677,
233.434

■ 40, 26.527,
236.687

223.224

■ 49, 12.043,
222.333

■ 50, 8.343, 221.684

■ 52, 4.370, 221.247

■ 54, 0.177, 223.030

■ 56, 4.187, 40.507

■ 58, 8.680, 40.422

■ 60, 13.268, 40.373

■ 62, 17.922, 40.369

■ 64, 22.619, 40.402

Harmonies

Complementary

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



47, 15.412, 223.224



41, 20.337, 40.495

Rectangle

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



47, 15.412, 223.224



47, 15.412, 273.224



47, 15.412, 43.224



47, 15.412, 93.224

Sweetspot

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



47, 15.412, 223.221



66, 6.246, 221.311



49, 31.956, 147.352



34, 4.113, 221.350



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, 15.412, 223.221



59, 21.942, 224.232



39, 22.649, 280.040



26, 2.356, 221.207



39, 26.350, 236.647



0, 0.000, 0.000

Inverse Universe

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



40, 31.805, 333.506



49, 46.485, 334.118



48, 22.445, 88.725



25, 4.404, 331.448



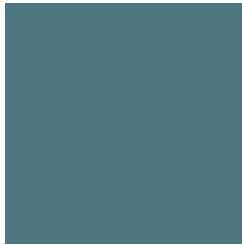
28, 58.980, 338.460



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 47, 15.412, 223.224 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, 15.412, 223.224 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

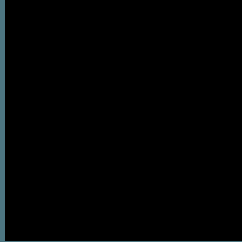
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

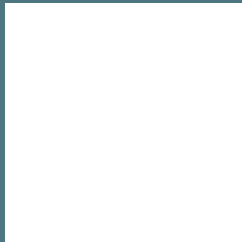
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 47, 15.412, 223.224

Background



This preview shows how black text looks on a background with the CIELCh color 47, 15.412, 223.224.



This preview shows how white text looks on a background with the CIELCh color 47, 15.412, 223.224.

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, 15.412, 223.224

Protanopia

47, 8.303, 288.644

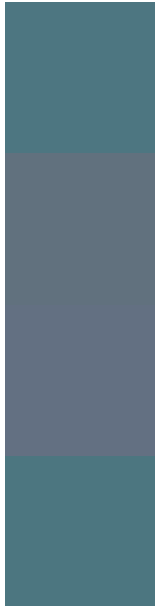
Deuteranopia

47, 13.769, 298.326



Tritanopia
47, 15.397, 218.367

Trichromacy



Original Color
47, 15.412, 223.224

Protanomaly
47, 9.592, 252.693

Deuteranomaly
47, 11.553, 267.068

Tritanomaly
47, 15.528, 220.574

Monochromacy



Original Color
47, 15.412, 223.224

Achromatopsia
45, 0.006, 296.813

Achromatomaly
46, 6.233, 221.363

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 47, 15.412, 223.224 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(77, 118, 129)` looks like.

```
.text, #text, p{  
    color:rgb(77, 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(77, 118, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 118, 129) }
```

Border

The CSS property to change the border of an element to CIELCh 47, 15.412, 223.224 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(77, 118, 129) }
```

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

```
.border{ border-color:rgb(77, 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(77, 118, 129)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 118, 129); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 118, 129);  
box-shadow:4px 4px 4px 4px rgb(77, 118,  
129) }
```

Background

The CSS property to change the background color of an element to CIELCh 47, 15.412, 223.224 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(77, 118, 129) }
```

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

```
.background{ background-color: rgb(77, 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](#).

Hey! You found this booklet
interesting? Support Converting
Colors with the new Membership
Option!

The pro membership hides all ads, plus gives you
double the colors in the color bucket, and more
awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor