

Converting Colors

XYZ(2.3872, 11.0291, 15.9483)

Have a look what the booklet for
XYZ(2.3872, 11.0291, 15.9483)
contains.

XYZ(9.4912, 14.7363, 16.2541)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(9.4912, 14.7363,
16.2541)**

Conversions

Conversions Part 1

Format	Color
Hex	00796B
RGB	0, 121, 107
RGB Percent	0%, 47%, 42%
CMY	1.0000, 0.5255, 0.5804
CMYK	1.00, 0.00, 0.12, 0.53
HSL	173°, 100%, 24%
HSV	173°, 100%, 47%
XYZ	9.4912, 14.7363, 16.2541
YIQ	83.2250, -67.6220, -30.0060

Conversions

Conversions Part 2

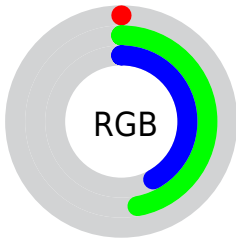
Format	Color
RYB	0, 64, 121
Decimal	31083
CIELab	45.27, -32.13, -0.46
CIELCh	45, 32.132, 180.813
Yxy	14.7363, 0.2345, 0.3640
Android (android.graphics.Color)	4278221163 (0xFF00796B)
YUV	83.2250, 11.7211, -72.9883
Hunter-Lab	38.3879, -23.0456, 1.7671

Details

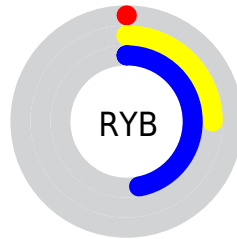
The XYZ color **9.4912, 14.7363, 16.2541** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **7.9649, 4.0970, 0.7868**, and the grayscale version is **8.2552, 8.6851, 9.4581**.

A 20% lighter version of the original color is **24.4495, 34.3604, 37.6914**, and **3.0688, 4.8327, 5.0460** is the 20% darker color. If you saturate the color by 10%, you get **9.4915, 14.7368, 16.2542**, and if you desaturate by 10%, it is **9.7189, 14.8455, 16.6528**.

Distribution



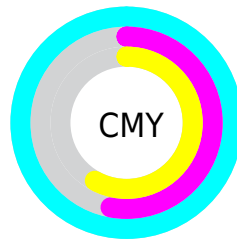
- Red (0%)
- Green (47%)
- Blue (42%)



- Red (0%)
- Yellow (25%)
- Blue (47%)



- Cyan (100%)
- Magenta (0%)
- Yellow (12%)
- Black (53%)



- Cyan (100%)
- Magenta (53%)
- Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 9.4912, 14.7363, 16.2541 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 XYZ color 9.4912, 14.7363, 16.2541 by changing the saturation by 10% instead.

■ 9.4912, 14.7363,
16.2541

■ 9.4912, 14.7363,
16.2541

■ 181.1317,
221.7645, 242.7332

■ 5.1226, 8.6345,
9.5478

■ 24.4925, 34.3899,
37.8117

■ 2.3549, 4.5036,
4.9985

■ 35.8558, 48.7105,
53.5001

■ 0.8225, 1.9591,
2.1877

■ 50.2815, 66.5395,
73.0196

■ 0.0000, 0.5835,
0.6672

■ 68.1348, 88.2614,
96.7888

■ 0.0000, 0.0000,
0.0000

■ 89.7811, 114.2604,
125.2262

■ 115.5858,

144.9210, 158.7504

145.9142,
180.6276, 197.7799

■ 9.4912, 14.7363,
16.2541

■ 9.4912, 14.7363,
16.2541

■ 9.4915, 14.7368,
16.2542

■ 9.7189, 14.8455,
16.6528

■ 10.0230, 14.9935,
17.0610

■ 10.4564, 15.2080,
17.4815

■ 11.0342, 15.4969,
17.9152

■ 11.7694, 15.8668,
18.3625

■ 12.6735, 16.3236,
18.8241

■ 13.7569, 16.8727,
19.3005

■ 15.0292, 17.5190,
19.7921

■ 16.4993, 18.2672,
20.2995

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



10.0004, 14.7363, 9.9120



9.4912, 14.7363, 16.2541



10.0585, 14.7363, 24.7746

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



9.4912, 14.7363, 16.2541



16.7918, 14.7363, 32.1910



16.6503, 14.7363, 6.3567

Complementary

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



9.4912, 14.7363, 16.2541



7.9649, 4.0970, 0.7868

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



18.8719, 14.7363, 9.6532



9.4912, 14.7363, 16.2541



18.9606, 14.7363, 24.2968

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



9.4912, 14.7363, 16.2541



14.0791, 14.7363, 35.5894



19.7654, 14.7363, 15.8383



13.9340, 14.7363, 5.4065

Rectangle

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



9.4912, 14.7363, 16.2541



11.0181, 14.7363, 30.2797



19.7654, 14.7363, 15.8383



17.4914, 14.7363, 7.1621

Sweetspot

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



9.4916, 14.7369, 16.2545



24.4757, 30.1331, 34.4953



7.0207, 13.7696, 2.2880



5.4404, 6.8109, 7.8211



59.0181, 62.0916, 67.6177



7.4413, 7.8288, 8.5256

Same Dimension

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



9.4916, 14.7369, 16.2545



16.9632, 26.3756, 28.9326



5.9419, 6.3615, 19.0045



4.0881, 4.5048, 4.9975



10.1686, 15.7911, 17.4045



48.3032, 75.2443, 81.9577

Inverse Universe

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



7.9649, 4.0970, 0.7868



14.2318, 7.3239, 1.2485



8.8778, 6.0496, 0.7000



4.0154, 4.0219, 4.2789



8.5326, 4.3892, 0.8295



40.5325, 20.8693, 3.0681

Previews

White Background



This preview shows how the XYZ color 9.4912, 14.7363, 16.2541 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 XYZ color 9.4912, 14.7363, 16.2541 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](#).

XYZ 9.4912, 14.7363, 16.2541

Background



This preview shows how black text looks on a background with the XYZ color 9.4912, 14.7363, 16.2541.

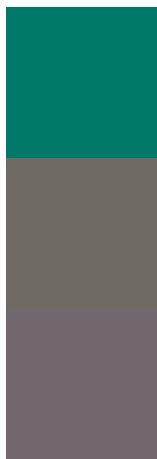


This preview shows how white text looks on a background with the XYZ color 9.4912, 14.7363,

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

9.4912, 14.7363, 16.2541

Protanopia

13.9617, 14.5884, 13.8844

Deuteranopia

14.8898, 14.6932, 17.0902



Tritanopia

10.9704, 14.8225, 22.7049

Trichromacy



Original Color

9.4912, 14.7363, 16.2541

Protanomaly

10.6812, 13.6678, 14.6456

Deuteranomaly

11.1381, 13.6941, 16.8080

Tritanomaly

10.2755, 14.6984, 20.0648

Monochromacy



Original Color

9.4912, 14.7363, 16.2541

Achromatopsia

8.2219, 8.6500, 9.4199

Achromatomaly

7.6747, 10.0790, 11.6662

CSS Examples

Text

The CSS property to change the color of the text to XYZ 9.4912, 14.7363, 16.2541 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(0, 121, 107)` looks like.

```
.text, #text, p{  
    color:rgb(0, 121, 107)  
}
```

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(0, 121, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 121, 107) }
```

Border

The CSS property to change the border of an element to XYZ 9.4912, 14.7363, 16.2541 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(0, 121, 107) }
```


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

```
.border{ border-color:rgb(0, 121, 107) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 121, 107)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 121, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 121, 107);  
box-shadow:4px 4px 4px 4px rgb(0, 121,  
107) }
```

Background

The CSS property to change the background color of an element to XYZ 9.4912, 14.7363, 16.2541 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 121, 107) }
```

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

```
.background{ background-color: rgb(0, 121,  
107) }
```

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