

Converting Colors

XYZ(7.5315, 14.3081, 16.5214)

Have a look what the booklet for
XYZ(7.5315, 14.3081, 16.5214)
contains.

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Color

**XYZ(9.9144, 15.4980,
16.6562)**

Conversions

Conversions Part 1

Format	Color
Hex	007C6C
RGB	0, 124, 108
RGB Percent	0%, 49%, 42%
CMY	1.0000, 0.5137, 0.5765
CMYK	1.00, 0.00, 0.13, 0.51
HSL	172°, 100%, 24%
HSV	172°, 100%, 49%
XYZ	9.9144, 15.4980, 16.6562
YIQ	85.1000, -68.7680, -31.2640

Conversions

Conversions Part 2

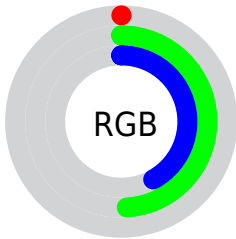
Format	Color
RYB	0, 66, 124
Decimal	31852
CIELab	46.31, -33.21, 0.47
CIELCh	46, 33.209, 179.197
Yxy	15.4980, 0.2357, 0.3684
Android (android.graphics.Color)	4278221932 (0xFF007C6C)
YUV	85.1000, 11.2897, -74.6327
Hunter-Lab	39.3675, -23.9393, 2.4719

Details

The XYZ color **9.9144, 15.4980, 16.6562** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **8.4062, 4.3229, 0.8820**, and the grayscale version is **8.6438, 9.0939, 9.9033**.

A 20% lighter version of the original color is **25.2046, 35.6097, 38.3458**, and **3.2911, 5.2345, 5.2518** is the 20% darker color. If you saturate the color by 10%, you get **9.9147, 15.4985, 16.6562**, and if you desaturate by 10%, it is **10.1581, 15.6141, 17.1167**.

Distribution



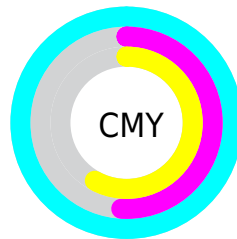
- Red (0%)
- Green (49%)
- Blue (42%)



- Red (0%)
- Yellow (26%)
- Blue (49%)



- Cyan (100%)
- Magenta (0%)
- Yellow (13%)
- Black (51%)



- Cyan (100%)
- Magenta (51%)
- Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 9.9144, 15.4980, 16.6562 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 9.9144, 15.4980, 16.6562 by changing the saturation by 10% instead.

9.9144, 15.4980,
16.6562

9.9144, 15.4980,
16.6562

184.1264,
226.3610, 245.1598

5.4041, 9.1696,
9.8303

25.2855, 35.7245,
38.5162

2.5234, 4.8520,
5.1825

36.8770, 50.3914,
54.3875

0.9071, 2.1607,
2.2941

51.5596, 68.6066,
74.1109

0.0000, 0.6984,
0.7279

69.6986, 90.7545,
98.1050

0.0000, 0.0000,
0.0000

91.6595, 117.2195,
126.7885

117.8075,

148.3860, 160.5797

148.5080,
184.6384, 199.8973

■ 9.9144, 15.4980,
16.6562

■ 9.9144, 15.4980,
16.6562

■ 9.9147, 15.4985,
16.6562

■ 10.1581, 15.6141,
17.1167

■ 10.4845, 15.7722,
17.5889

■ 10.9479, 16.0008,
18.0757

■ 11.5644, 16.3081,
18.5781

■ 12.3477, 16.7013,
19.0965

■ 13.3101, 17.1866,
19.6317

■ 14.4627, 17.7697,
20.1842

■ 15.8157, 18.4560,
20.7546

■ 17.3786, 19.2503,
21.3433

Harmonies

Analogous

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



10.5178, 15.4980, 10.0625



9.9144, 15.4980, 16.6562



10.4568, 15.4980, 25.7174

Triad

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



9.9144, 15.4980, 16.6562



17.5599, 15.4980, 34.5535



17.7095, 15.4980, 6.6863

Complementary

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



9.9144, 15.4980, 16.6562



8.4062, 4.3229, 0.8820

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.



20.0338, 15.4980, 10.3342



9.9144, 15.4980, 16.6562



19.9398, 15.4980, 26.2240

Square

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



9.9144, 15.4980, 16.6562



14.6539, 15.4980, 37.8570



20.8974, 15.4980, 17.0951



14.8071, 15.4980, 5.5654

Rectangle

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



9.9144, 15.4980, 16.6562



11.4405, 15.4980, 31.7083



20.8974, 15.4980, 17.0951



18.5973, 15.4980, 7.5847

Sweetspot

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



9.9148, 15.4986, 16.6566



25.2926, 31.1897, 35.4473



7.4310, 14.5308, 2.4134



5.7833, 7.2578, 8.2680



60.6688, 63.8283, 69.5090



7.9400, 8.3535, 9.0970

Same Dimension

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



9.9148, 15.4986, 16.6566



17.4114, 27.2586, 29.1231



6.4011, 6.9809, 20.0795



4.0859, 4.5040, 4.9860



10.0782, 15.7549, 16.9286



47.8531, 75.0643, 79.5877

Inverse Universe

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



8.4062, 4.3229, 0.8820



14.7604, 7.5939, 1.3843



9.2691, 6.1984, 0.7082



4.0174, 4.0227, 4.2894



8.5446, 4.3940, 0.8929



40.5767, 20.8870, 3.3010

Previews

White Background



This preview shows how the XYZ color 9.9144, 15.4980, 16.6562 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 9.9144, 15.4980, 16.6562 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

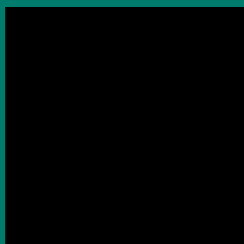
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 9.9144, 15.4980, 16.6562

Background



This preview shows how black text looks on a background with the XYZ color 9.9144, 15.4980, 16.6562.



This preview shows how white text looks on a background with the XYZ color 9.9144, 15.4980,

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

9.9144, 15.4980, 16.6562

Protanopia

14.7083, 15.4348, 14.2606

Deuteranopia

15.6864, 15.3999, 17.4749



Tritanopia

11.5613, 15.6368, 23.8816

Trichromacy



Original Color

9.9144, 15.4980, 16.6562

Protanomaly

11.2131, 14.4304, 15.0263

Deuteranomaly

11.7549, 14.4945, 17.2171

Tritanomaly

10.8439, 15.5086, 21.1608

Monochromacy



Original Color

9.9144, 15.4980, 16.6562

Achromatopsia

8.6345, 9.0842, 9.8927

Achromatomaly

7.9589, 10.4983, 11.9628

CSS Examples

Text

The CSS property to change the color of the text to XYZ 9.9144, 15.4980, 16.6562 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, 124, 108)` looks like.

```
.text, #text, p{  
    color:rgb(0, 124, 108)  
}
```

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, 124, 108) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 124, 108) }
```

Border

The CSS property to change the border of an element to XYZ 9.9144, 15.4980, 16.6562 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, 124, 108) }
```


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

```
.border{ border-color:rgb(0, 124, 108) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 124, 108)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 124, 108); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 124, 108);  
box-shadow:4px 4px 4px 4px rgb(0, 124,  
108) }
```

Background

The CSS property to change the background color of an element to XYZ 9.9144, 15.4980, 16.6562 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 124, 108) }
```

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

```
.background{ background-color: rgb(0, 124,  
108) }
```

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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