

Converting Colors

XYZ(7.1271, 14.0753, 15.3119)

Have a look what the booklet for
XYZ(7.1271, 14.0753, 15.3119)
contains.

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Color

**XYZ(9.7063, 15.4148,
15.5605)**

Conversions

Conversions Part 1

Format	Color
Hex	007C68
RGB	0, 124, 104
RGB Percent	0%, 49%, 41%
CMY	1.0000, 0.5137, 0.5922
CMYK	1.00, 0.00, 0.16, 0.51
HSL	170°, 100%, 24%
HSV	170°, 100%, 49%
XYZ	9.7063, 15.4148, 15.5605
YIQ	84.6440, -67.4840, -32.5080

Conversions

Conversions Part 2

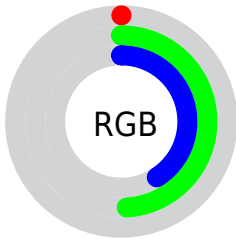
Format	Color
RYB	0, 67, 124
Decimal	31848
CIELab	46.20, -34.38, 2.67
CIELCh	46, 34.486, 175.556
Yxy	15.4148, 0.2386, 0.3789
Android (android.graphics.Color)	4278221928 (0xFF007C68)
YUV	84.6440, 9.5425, -74.2328
Hunter-Lab	39.2617, -24.5791, 3.9849

Details

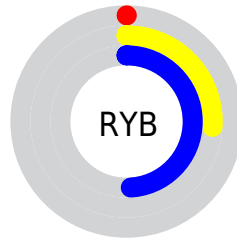
The XYZ color **9.7063, 15.4148, 15.5605** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **8.4389, 4.3359, 1.0542**, and the grayscale version is **8.5516, 8.9970, 9.7977**.

A 20% lighter version of the original color is **24.8630, 35.4731, 36.5469**, and **3.1873, 5.1930, 4.7052** is the 20% darker color. If you saturate the color by 10%, you get **9.7066, 15.4153, 15.5607**, and if you desaturate by 10%, it is **9.9669, 15.5376, 16.1098**.

Distribution



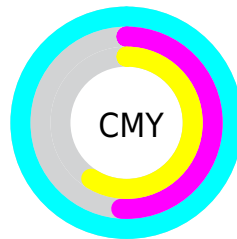
- Red (0%)
- Green (49%)
- Blue (41%)



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



- Cyan (100%)
- Magenta (0%)
- Yellow (16%)
- Black (51%)





- Cyan (100%)
- Magenta (51%)
- Yellow (59%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 9.7063, 15.4148, 15.5605 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 9.7063, 15.4148, 15.5605 by changing the saturation by 10% instead.


 9.7063, 15.4148,
15.5605


 9.7063, 15.4148,
15.5605


182.6606,
225.8633, 238.4907


 5.2654, 9.1110,
9.0627


 24.8963, 35.5792,
36.5896


 2.4402, 4.8137,
4.6847

 36.3762, 50.2087,
51.9580


 0.8652, 2.1384,
2.0080

 50.9331, 68.3821,
71.1204

 0.0000, 0.6861,
0.5602

 68.9324, 90.4840,
94.4953

 0.0000, 0.0000,
0.0000

 90.7394, 116.8986,
122.5012

 116.7196,

148.0105, 155.5567

147.2382,
184.2039, 194.0804

■ 9.7063, 15.4148,
15.5605

■ 9.7063, 15.4148,
15.5605

■ 9.7066, 15.4153,
15.5607

■ 9.9669, 15.5376,
16.1098

■ 10.3109, 15.7028,
16.6753

■ 10.7928, 15.9388,
17.2600

■ 11.4287, 16.2539,
17.8647

■ 12.2323, 16.6551,
18.4902

■ 13.2158, 17.1489,
19.1372

■ 14.3905, 17.7408,
19.8062

■ 15.7664, 18.4363,
20.4977

■ 17.3531, 19.2401,
21.2124

Harmonies

Analogous

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



10.4657, 15.4148, 9.1904



9.7063, 15.4148, 15.5605



10.1195, 15.4148, 24.7836

Triad

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



9.7063, 15.4148, 15.5605



17.2283, 15.4148, 36.0407



18.0875, 15.4148, 6.6587

Complementary

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



9.7063, 15.4148, 15.5605



8.4389, 4.3359, 1.0542

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.



20.3670, 15.4148, 10.7229



9.7063, 15.4148, 15.5605



19.8262, 15.4148, 27.7095

Square

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



9.7063, 15.4148, 15.5605



14.2176, 15.4148, 38.6575



21.0422, 15.4148, 18.0702



15.0938, 15.4148, 5.2630

Rectangle

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



9.7063, 15.4148, 15.5605



11.0382, 15.4148, 31.2021



21.0422, 15.4148, 18.0702



18.9776, 15.4148, 7.6746

Sweetspot

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



9.7067, 15.4154, 15.5609



25.1635, 31.1381, 34.7673



7.5103, 14.5717, 2.4169



5.7496, 7.2443, 8.0908



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.



9.7067, 15.4154, 15.5609



17.0384, 27.1094, 27.1592



6.7063, 7.5914, 20.1814



4.0806, 4.5019, 4.9584



9.8666, 15.6703, 15.8141



46.8014, 74.6436, 74.0493

Inverse Universe

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



8.4389, 4.3359, 1.0542



14.8130, 7.6149, 1.6613



9.1172, 5.8946, 0.6574



4.0222, 4.0246, 4.3148



8.5778, 4.4073, 1.0677



40.7034, 20.9377, 3.9684

Previews

White Background



This preview shows how the XYZ color 9.7063, 15.4148, 15.5605 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 9.7063, 15.4148, 15.5605 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 9.7063, 15.4148, 15.5605

Background



This preview shows how black text looks on a background with the XYZ color 9.7063, 15.4148, 15.5605.



This preview shows how white text looks on a background with the XYZ color 9.7063, 15.4148,

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

9.7063, 15.4148, 15.5605

Protanopia

14.5194, 15.3592, 13.2657

Deuteranopia

15.6065, 15.3838, 16.3342



Tritanopia

11.4389, 15.4020, 23.4891

Trichromacy



Original Color

9.7063, 15.4148, 15.5605

Protanomaly

11.0171, 14.3519, 13.9939

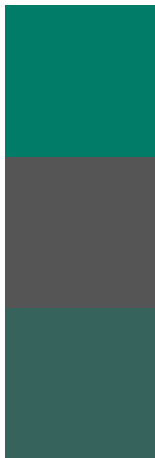
Deuteranomaly

11.5395, 14.4083, 16.0828

Tritanomaly

10.6194, 15.2258, 20.4683

Monochromacy



Original Color

9.7063, 15.4148, 15.5605

Achromatopsia

8.6345, 9.0842, 9.8927

Achromatomaly

7.9149, 10.4807, 11.7310

CSS Examples

Text

The CSS property to change the color of the text to XYZ 9.7063, 15.4148, 15.5605 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, 104)` looks like.

```
.text, #text, p{  
    color:rgb(0, 124, 104)  
}
```

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, 104) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 124, 104) }
```

Border

The CSS property to change the border of an element to XYZ 9.7063, 15.4148, 15.5605 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, 104) }
```


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

```
.border{ border-color:rgb(0, 124, 104) }
```

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, 104) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 124, 104); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 124, 104);  
box-shadow:4px 4px 4px 4px rgb(0, 124,  
104) }
```

Background

The CSS property to change the background color of an element to XYZ 9.7063, 15.4148, 15.5605 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, 104) }
```

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

```
.background{ background-color: rgb(0, 124,  
104) }
```

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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