

Converting Colors

XYZ(7.3820, 12.9547, 16.8132)

Have a look what the booklet for
XYZ(7.3820, 12.9547, 16.8132)
contains.

XYZ(9.1758, 13.8484, 16.9412)	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(9.1758, 13.8484,
16.9412)**

Conversions

Conversions Part 1

Format	Color
Hex	00756E
RGB	0, 117, 110
RGB Percent	0%, 46%, 43%
CMY	0.9999, 0.5412, 0.5686
CMYK	1.00, 0.00, 0.06, 0.54
HSL	176°, 100%, 23%
HSV	176°, 100%, 46%
XYZ	9.1758, 13.8484, 16.9412
YIQ	81.2190, -67.4850, -26.9810

Conversions

Conversions Part 2

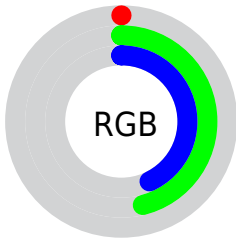
Format	Color
RYB	0, 60, 117
Decimal	30062
CIELab	44.01, -29.31, -4.10
CIELCh	44, 29.598, 187.955
Yxy	13.8484, 0.2296, 0.3465
Android (android.graphics.Color)	4278220142 (0xFF00756E)
YUV	81.2190, 14.1890, -71.2291
Hunter-Lab	37.2134, -21.1104, -0.9420

Details

The XYZ color **9.1758, 13.8484, 16.9412** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **7.3750, 3.7977, 0.5458**, and the grayscale version is **7.8478, 8.2565, 8.9913**.

A 20% lighter version of the original color is **23.9496, 32.9424, 38.8144**, and **2.9643, 4.4931, 5.4136** is the 20% darker color. If you saturate the color by 10%, you get **9.1760, 13.8488, 16.9413**, and if you desaturate by 10%, it is **9.3620, 13.9403, 17.1500**.

Distribution



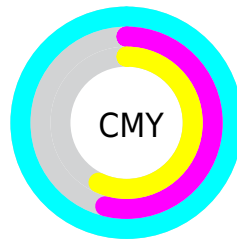
- Red (0%)
- Green (46%)
- Blue (43%)



- Red (0%)
- Yellow (24%)
- Blue (46%)



- Cyan (100%)
- Magenta (0%)
- Yellow (6%)
- Black (54%)



- Cyan (100%)
- Magenta (54%)
- Yellow (57%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 9.1758, 13.8484, 16.9412 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 9.1758, 13.8484, 16.9412 by changing the saturation by 10% instead.

■ 9.1758, 13.8484,
16.9412

■ 9.1758, 13.8484,
16.9412

178.8634,
216.2857, 246.8658

■ 4.9141, 8.0153,
10.0311

■ 23.8973, 32.8198,
39.0139

■ 2.2312, 4.1047,
5.3137

■ 35.0877, 46.7269,
55.0136

■ 0.7591, 1.7323,
2.3705

■ 49.3184, 64.0941,
74.8802

■ 0.0000, 0.4445,
0.7703

■ 66.9547, 85.3058,
99.0322

■ 0.0000, 0.0000,
0.0000

■ 88.3620, 110.7464,
127.8882

■ 113.9057,

140.8003, 161.8668

143.9510,
175.8520, 201.3865

■ 9.1758, 13.8484,
16.9412

■ 9.1758, 13.8484,
16.9412

■ 9.1760, 13.8488,
16.9413

■ 9.3620, 13.9403,
17.1500

■ 9.6158, 14.0667,
17.3633

■ 9.9889, 14.2545,
17.5838

■ 10.4948, 14.5108,
17.8120

■ 11.1456, 14.8417,
18.0486

■ 11.9517, 15.2527,
18.2941

■ 12.9228, 15.7487,
18.5488

■ 14.0677, 16.3342,
18.8134

■ 15.3945, 17.0135,
19.0880

Harmonies

Analogous

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



9.4032, 13.8484, 10.7248



9.1758, 13.8484, 16.9412



9.9118, 13.8484, 24.5191

Triad

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



9.1758, 13.8484, 16.9412



16.1414, 13.8484, 27.7553



14.9321, 13.8484, 5.9840

Complementary

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



9.1758, 13.8484, 16.9412



7.3750, 3.7977, 0.5458

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.



17.0560, 13.8484, 8.4382



9.1758, 13.8484, 16.9412



17.8101, 13.8484, 20.4752

Square

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



9.1758, 13.8484, 16.9412



13.7977, 13.8484, 31.8666



18.1633, 13.8484, 13.3577



12.5470, 13.8484, 5.5512

Rectangle

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



9.1758, 13.8484, 16.9412



10.9079, 13.8484, 28.9206



18.1633, 13.8484, 13.3577



15.7082, 13.8484, 6.5550

Sweetspot

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



9.1762, 13.8489, 16.9415



22.9921, 28.1246, 33.1779



6.4594, 12.7735, 2.1255



5.1487, 6.3960, 7.5932



57.3938, 60.3827, 65.7568



6.9614, 7.3239, 7.9757

Same Dimension

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



9.1762, 13.8489, 16.9415



16.4133, 24.7913, 30.2431



5.1774, 5.2170, 17.5643



3.7743, 4.1517, 4.6454



10.1076, 15.2570, 18.6544



49.1419, 74.3040, 90.3074

Inverse Universe

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



7.3750, 3.7977, 0.5458



13.1870, 6.7924, 0.8790



8.5076, 6.1244, 0.7342



3.6920, 3.7041, 3.9050



8.1229, 4.1829, 0.5896



39.4744, 20.3399, 2.2957

Previews

White Background



This preview shows how the XYZ color 9.1758, 13.8484, 16.9412 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 9.1758, 13.8484, 16.9412 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

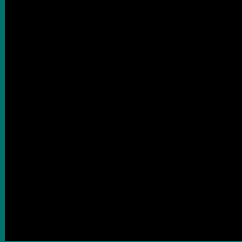
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 9.1758, 13.8484, 16.9412

Background



This preview shows how black text looks on a background with the XYZ color 9.1758, 13.8484, 16.9412.



This preview shows how white text looks on a background with the XYZ color 9.1758, 13.8484,

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

9.1758, 13.8484, 16.9412

Protanopia

13.1924, 13.7240, 14.5241

Deuteranopia

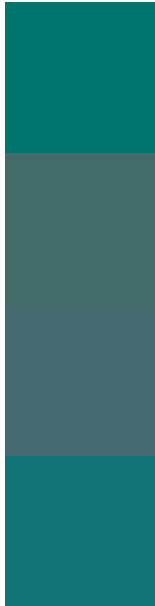
13.9976, 13.7735, 17.8404



Tritanopia

10.2208, 13.9497, 21.2227

Trichromacy



Original Color

9.1758, 13.8484, 16.9412

Protanomaly

10.2271, 12.9383, 15.3229

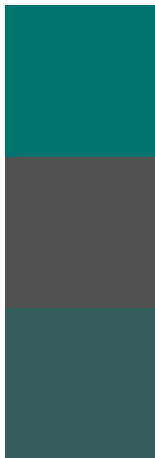
Deuteranomaly

10.6926, 12.9729, 17.5632

Tritanomaly

9.8063, 13.9419, 19.6270

Monochromacy



Original Color

9.1758, 13.8484, 16.9412

Achromatopsia

7.8210, 8.2283, 8.9606

Achromatomaly

7.3506, 9.5082, 11.5731

CSS Examples

Text

The CSS property to change the color of the text to XYZ 9.1758, 13.8484, 16.9412 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, 117, 110)` looks like.

```
.text, #text, p{  
    color:rgb(0, 117, 110)  
}
```

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, 117, 110) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 117, 110) }
```

Border

The CSS property to change the border of an element to XYZ 9.1758, 13.8484, 16.9412 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, 117, 110) }
```


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

```
.border{ border-color:rgb(0, 117, 110) }
```

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

Here you see how a box with a 4 pixel rgb(0, 117, 110) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 117, 110); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 117, 110);  
box-shadow:4px 4px 4px 4px rgb(0, 117,  
110) }
```

Background

The CSS property to change the background color of an element to XYZ 9.1758, 13.8484, 16.9412 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 117, 110) }
```

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

```
.background{ background-color: rgb(0, 117,  
110) }
```

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