

Converting Colors

XYZ(9.3878, 14.9342, 16.1075)

Have a look what the booklet for
XYZ(9.3878, 14.9342, 16.1075)
contains.

XYZ(9.5611, 14.9597, 16.0193)	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(9.5611, 14.9597,
16.0193)**

Conversions

Conversions Part 1

Format	Color
Hex	007A6A
RGB	0, 122, 106
RGB Percent	0%, 48%, 42%
CMY	0.9999, 0.5216, 0.5843
CMYK	1.00, 0.00, 0.13, 0.52
HSL	172°, 100%, 24%
HSV	172°, 100%, 48%
XYZ	9.5611, 14.9597, 16.0193
YIQ	83.6980, -67.5760, -30.8400

Conversions

Conversions Part 2

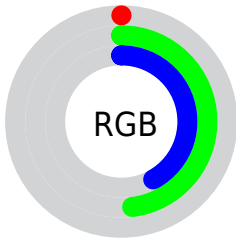
Format	Color
RYB	0, 65, 122
Decimal	31338
CIELab	45.58, -32.89, 0.59
CIELCh	46, 32.894, 178.975
Yxy	14.9597, 0.2358, 0.3690
Android (android.graphics.Color)	4278221418 (0xFF007A6A)
YUV	83.6980, 10.9949, -73.4031
Hunter-Lab	38.6778, -23.5611, 2.5181

Details

The XYZ color **9.5611, 14.9597, 16.0193** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **8.1201, 4.1755, 0.8688**, and the grayscale version is **8.3538, 8.7888, 9.5710**.

A 20% lighter version of the original color is **24.5577, 34.7140, 37.3044**, and **3.1068, 4.9505, 4.9295** is the 20% darker color. If you saturate the color by 10%, you get **9.5613, 14.9601, 16.0191**, and if you desaturate by 10%, it is **9.8000, 15.0735, 16.4694**.

Distribution



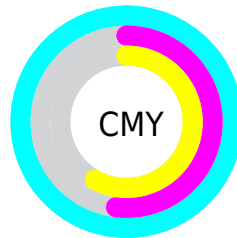
- Red (0%)
- Green (48%)
- Blue (42%)



- Red (0%)
- Yellow (25%)
- Blue (48%)



- Cyan (100%)
- Magenta (0%)
- Yellow (13%)
- Black (52%)



- Cyan (100%)
- Magenta (52%)
- Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 9.5611, 14.9597, 16.0193 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 9.5611, 14.9597, 16.0193 by changing the saturation by 10% instead.

9.5611, 14.9597,
16.0193

9.5611, 14.9597,
16.0193

181.6301,
223.1222, 241.3052

5.1690, 8.7911,
9.3833

24.6239, 34.7825,
37.3990

2.3825, 4.6052,
4.8918

36.0252, 49.2054,
52.9797

0.8364, 2.0175,
2.1263

50.4937, 67.1486,
72.3791

0.0000, 0.6176,
0.6314

68.3946, 88.9965,
96.0158

0.0000, 0.0000,
0.0000

90.0934, 115.1334,
124.3081

115.9553,

145.9437, 157.6748

146.3458,
181.8118, 196.5343

■ 9.5611, 14.9597,
16.0193

■ 9.5611, 14.9597,
16.0193

■ 9.5613, 14.9601,
16.0191

■ 9.8000, 15.0735,
16.4694

■ 10.1176, 15.2273,
16.9309

■ 10.5673, 15.4491,
17.4068

■ 11.1646, 15.7468,
17.8979

■ 11.9226, 16.1271,
18.4048

■ 12.8531, 16.5962,
18.9280

■ 13.9668, 17.1595,
19.4683

■ 15.2734, 17.8221,
20.0259

■ 16.7820, 18.5886,
20.6014

Harmonies

Analogous

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



10.1527, 14.9597, 9.6651



9.5611, 14.9597, 16.0193



10.0774, 14.9597, 24.7786

Triad

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



9.5611, 14.9597, 16.0193



16.9365, 14.9597, 33.4475



17.1211, 14.9597, 6.4544

Complementary

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



9.5611, 14.9597, 16.0193



8.1201, 4.1755, 0.8688

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.



19.3629, 14.9597, 10.0001



9.5611, 14.9597, 16.0193



19.2470, 14.9597, 25.4041

Square

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



9.5611, 14.9597, 16.0193



14.1244, 14.9597, 36.5993



20.1862, 14.9597, 16.5608



14.3135, 14.9597, 5.3562

Rectangle

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



9.5611, 14.9597, 16.0193



11.0235, 14.9597, 30.5881



20.1862, 14.9597, 16.5608



17.9786, 14.9597, 7.3285

Sweetspot

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



9.5615, 14.9603, 16.0197



24.4156, 30.1090, 34.1785



7.1783, 14.0322, 2.3306



5.4253, 6.8048, 7.7412



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.



9.5615, 14.9603, 16.0197



16.7853, 26.3044, 27.9960



6.1862, 6.7513, 19.3901



4.0855, 4.5038, 4.9842



10.0640, 15.7493, 16.8538



47.7825, 75.0360, 79.2156

Inverse Universe

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



8.1201, 4.1755, 0.8688



14.2532, 7.3324, 1.3608



8.9550, 5.9950, 0.6856



4.0177, 4.0228, 4.2911



8.5466, 4.3948, 0.9034



40.5842, 20.8900, 3.3403

Previews

White Background



This preview shows how the XYZ color 9.5611, 14.9597, 16.0193 looks on a white background.

Color Contrast Check

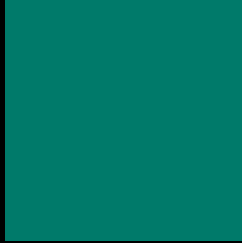
Large Text (above 18pt) WCAG AA ✓ Pass

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 9.5611, 14.9597, 16.0193 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

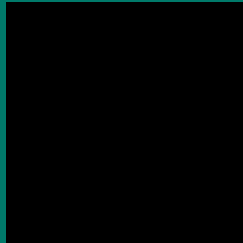
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 9.5611, 14.9597, 16.0193

Background



This preview shows how black text looks on a background with the XYZ color 9.5611, 14.9597, 16.0193.



This preview shows how white text looks on a background with the XYZ color 9.5611, 14.9597,

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

9.5611, 14.9597, 16.0193

Protanopia

14.1444, 14.8420, 13.6746

Deuteranopia

15.1009, 14.8083, 16.8142



Tritanopia

11.1203, 15.0755, 22.7458

Trichromacy



Original Color

9.5611, 14.9597, 16.0193

Protanomaly

10.7417, 13.8675, 14.4225

Deuteranomaly

11.2688, 13.9289, 16.5626

Tritanomaly

10.4159, 14.9484, 20.1057

Monochromacy



Original Color

9.5611, 14.9597, 16.0193

Achromatopsia

8.4267, 8.8656, 9.6546

Achromatomaly

7.7676, 10.2650, 11.6972

CSS Examples

Text

The CSS property to change the color of the text to XYZ 9.5611, 14.9597, 16.0193 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, 122, 106)` looks like.

```
.text, #text, p{  
    color:rgb(0, 122, 106)  
}
```

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, 122, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 122, 106) }
```

Border

The CSS property to change the border of an element to XYZ 9.5611, 14.9597, 16.0193 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, 122, 106) }
```


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

```
.border{ border-color:rgb(0, 122, 106) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 122, 106)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 122, 106); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 122, 106);  
box-shadow:4px 4px 4px 4px rgb(0, 122,  
106) }
```

Background

The CSS property to change the background color of an element to XYZ 9.5611, 14.9597, 16.0193 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 122, 106) }
```

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

```
.background{ background-color: rgb(0, 122,  
106) }
```

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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