

Converting Colors

XYZ(2.1941, 11.3664, 17.5321)

Have a look what the booklet for
XYZ(2.1941, 11.3664, 17.5321)
contains.

XYZ(10.0076, 15.3358, 17.7619)	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(10.0076, 15.3358,
17.7619)**

Conversions

Conversions Part 1

Format	Color
Hex	007B70
RGB	0, 123, 112
RGB Percent	0%, 48%, 44%
CMY	1.0000, 0.5176, 0.5608
CMYK	1.00, 0.00, 0.09, 0.52
HSL	175°, 100%, 24%
HSV	175°, 100%, 48%
XYZ	10.0076, 15.3358, 17.7619
YIQ	84.9690, -69.7770, -29.4970

Conversions

Conversions Part 2

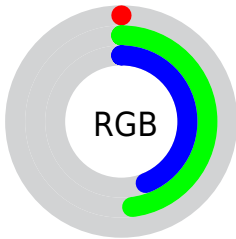
Format	Color
RYB	0, 64, 123
Decimal	31600
CIELab	46.09, -31.53, -2.23
CIELCh	46, 31.609, 184.040
Yxy	15.3358, 0.2322, 0.3558
Android (android.graphics.Color)	4278221680 (0xFF007B70)
YUV	84.9690, 13.3263, -74.5178
Hunter-Lab	39.1609, -22.9159, 0.5210

Details

The XYZ color **10.0076, 15.3358, 17.7619** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **8.2293, 4.2356, 0.7008**, and the grayscale version is **8.6125, 9.0610, 9.8675**.

A 20% lighter version of the original color is **25.4506, 35.3933, 40.6122**, and **3.3080, 5.1353, 5.6673** is the 20% darker color. If you saturate the color by 10%, you get **10.0078, 15.3363, 17.7620**, and if you desaturate by 10%, it is **10.2256, 15.4414, 18.0942**.

Distribution



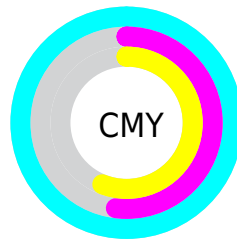
- Red (0%)
- Green (48%)
- Blue (44%)



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



- Cyan (100%)
- Magenta (0%)
- Yellow (9%)
- Black (52%)



- Cyan (100%)
- Magenta (52%)
- Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 10.0076, 15.3358, 17.7619 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 10.0076, 15.3358, 17.7619 by changing the saturation by 10% instead.

■ 10.0076, 15.3358,
17.7619

■ 10.0076, 15.3358,
17.7619

184.7788,
225.3898, 251.7164

■ 5.4663, 9.0554,
10.6115

■ 25.4593, 35.4412,
40.4396

■ 2.5609, 4.7773,
5.6954

■ 37.1005, 50.0350,
56.8041

■ 0.9261, 2.1172,
2.5950

■ 51.8390, 68.1687,
77.0769

■ 0.0000, 0.6743,
0.8899

■ 70.0401, 90.2267,
101.6767

■ 0.0000, 0.0000,
0.0000

■ 92.0694, 116.5935,
131.0220

■ 118.2920,

147.6533, 165.5314

149.0733,
183.7906, 205.6234

■ 10.0076, 15.3358,
17.7619

■ 10.0076, 15.3358,
17.7619

■ 10.0078, 15.3363,
17.7620

■ 10.2256, 15.4414,
18.0942

■ 10.5234, 15.5877,
18.4339

■ 10.9549, 15.8029,
18.7837

■ 11.5359, 16.0950,
19.1445

■ 12.2799, 16.4711,
19.5168

■ 13.1988, 16.9372,
19.9014

■ 14.3035, 17.4991,
20.2986

■ 15.6040, 18.1618,
20.7089

■ 17.1096, 18.9301,
21.1329

Harmonies

Analogous

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



10.4084, 15.3358, 11.0242



10.0076, 15.3358, 17.7619



10.7018, 15.3358, 26.4213

Triad

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



10.0076, 15.3358, 17.7619



17.6625, 15.3358, 32.1978



16.9559, 15.3358, 6.6176

Complementary

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



10.0076, 15.3358, 17.7619



8.2293, 4.2356, 0.7008

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.



19.2883, 15.3358, 9.7116



10.0076, 15.3358, 17.7619



19.7302, 15.3358, 24.0456

Square

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



10.0076, 15.3358, 17.7619



14.9431, 15.3358, 36.2243



20.3587, 15.3358, 15.6776



14.2154, 15.3358, 5.8628

Rectangle

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



10.0076, 15.3358, 17.7619



11.7489, 15.3358, 31.7593



20.3587, 15.3358, 15.6776



17.8242, 15.3358, 7.3593

Sweetspot

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



10.0080, 15.3364, 17.7623



25.4534, 31.2541, 36.2944



7.2393, 14.2469, 2.3687



5.8252, 7.2746, 8.4890



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.



10.0080, 15.3364, 17.7623



17.8939, 27.4516, 31.6642



6.0113, 6.3019, 19.6391



4.0923, 4.5066, 5.0201



10.3517, 15.8643, 18.3687



49.2165, 75.6096, 86.7668

Inverse Universe

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



8.2293, 4.2356, 0.7008



14.7093, 7.5735, 1.1153



9.2758, 6.4252, 0.7516



4.0115, 4.0203, 4.2584



8.5116, 4.3808, 0.7190



40.4585, 20.8398, 2.6788

Previews

White Background



This preview shows how the XYZ color 10.0076, 15.3358, 17.7619 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 10.0076, 15.3358, 17.7619 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 10.0076, 15.3358, 17.7619

Background



This preview shows how black text looks on a background with the XYZ color 10.0076, 15.3358, 17.7619.



This preview shows how white text looks on a background with the XYZ color 10.0076, 15.3358,

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

10.0076, 15.3358, 17.7619

Protanopia

14.5433, 15.1693, 15.2582

Deuteranopia

15.5089, 15.2820, 18.6553



Tritanopia

11.2812, 15.3207, 23.4817

Trichromacy



Original Color

10.0076, 15.3358, 17.7619

Protanomaly

11.1575, 14.2114, 16.0649

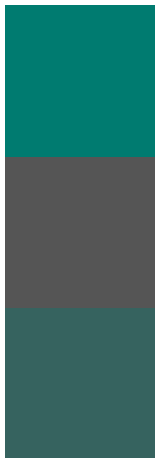
Deuteranomaly

11.7127, 14.2820, 18.3590

Tritanomaly

10.6811, 15.2433, 21.1182

Monochromacy



Original Color

10.0076, 15.3358, 17.7619

Achromatopsia

8.6345, 9.0842, 9.8927

Achromatomaly

8.0487, 10.5342, 12.4356

CSS Examples

Text

The CSS property to change the color of the text to XYZ 10.0076, 15.3358, 17.7619 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, 123, 112)` looks like.

```
.text, #text, p{  
    color:rgb(0, 123, 112)  
}
```

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, 123, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 123, 112) }
```

Border

The CSS property to change the border of an element to XYZ 10.0076, 15.3358, 17.7619 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, 123, 112) }
```


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

```
.border{ border-color:rgb(0, 123, 112) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 123, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 123, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 123, 112);  
box-shadow:4px 4px 4px 4px rgb(0, 123,  
112) }
```

Background

The CSS property to change the background color of an element to XYZ 10.0076, 15.3358, 17.7619 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 123, 112) }
```

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

```
.background{ background-color: rgb(0, 123,  
112) }
```

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