

Converting Colors

XYZ(7.8628, 13.4047, 9.7760)

Have a look what the booklet for
XYZ(7.8628, 13.4047, 9.7760)
contains.

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Color

**XYZ(7.8093, 13.3018,
9.7453)**

Conversions

Conversions Part 1

Format	Color
Hex	007550
RGB	0, 117, 80
RGB Percent	0%, 46%, 31%
CMY	1.0000, 0.5412, 0.6863
CMYK	1.00, 0.00, 0.32, 0.54
HSL	161°, 100%, 23%
HSV	161°, 100%, 46%
XYZ	7.8093, 13.3018, 9.7453
YIQ	77.7990, -57.8550, -36.3110

Conversions

Conversions Part 2

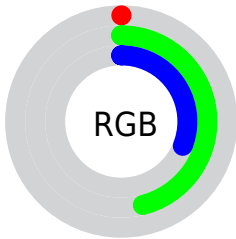
Format	Color
RYB	0, 69, 117
Decimal	30032
CIELab	43.21, -37.87, 12.63
CIELCh	43, 39.919, 161.553
Yxy	13.3018, 0.2531, 0.4311
Android (android.graphics.Color)	4278220112 (0xFF007550)
YUV	77.7990, 1.0851, -68.2297
Hunter-Lab	36.4716, -25.6050, 9.6877

Details

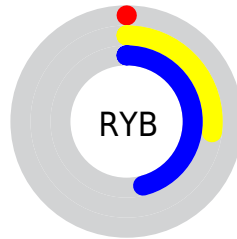
The XYZ color **7.8093, 13.3018, 9.7453** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **7.6706, 3.9159, 2.1027**, and the grayscale version is **7.2101, 7.5856, 8.2607**.

A 20% lighter version of the original color is **21.2388, 31.8303, 25.7933**, and **2.3105, 4.1357, 2.2666** is the 20% darker color. If you saturate the color by 10%, you get **7.8094, 13.3022, 9.7450**, and if you desaturate by 10%, it is **8.0977, 13.4346, 10.4927**.

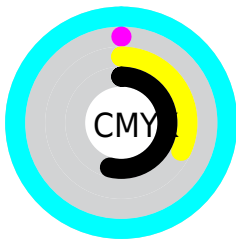
Distribution



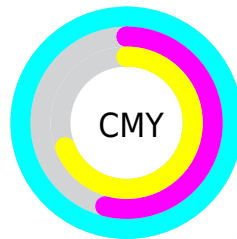
- Red (0%)
- Green (46%)
- Blue (31%)



- Red (0%)
- Yellow (27%)
- Blue (46%)



- Cyan (100%)
- Magenta (0%)
- Yellow (32%)
- Black (54%)



- Cyan (100%)
- Magenta (54%)
- Yellow (69%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 7.8093, 13.3018, 9.7453 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 7.8093, 13.3018, 9.7453 by changing the saturation by 10% instead.

7.8093, 13.3018,
9.7453

7.8093, 13.3018,
9.7453

168.6309,
212.8429, 199.2628

4.0239, 7.6367,
5.1270

21.2728, 31.8449,
25.9156

1.7157, 3.8634,
2.2619

31.6816, 45.4917,
38.3047

0.4661, 1.5974,
0.7098

45.0289, 62.5679,
54.1212

0.0000, 0.3559,
0.0000


61.6801, 83.4578,
73.7835


0.0000, 0.0000,
0.0000


82.0006, 108.5459,
97.7103


106.3556,


138.2165, 126.3201


 135.1106,
172.8540, 160.0314


 7.8093, 13.3018,
9.7453


 7.8093, 13.3018,
9.7453


 7.8094, 13.3022,
9.7450

 8.0977, 13.4346,
10.4927

 8.4611, 13.6048,
11.2832

 8.9511, 13.8394,
12.1202

 9.5817, 14.1455,
13.0048

 10.3647, 14.5294,
13.9384

■ 11.3109, 14.9963,
14.9218

■ 12.4300, 15.5515,
15.9561

■ 13.7308, 16.1994,
17.0422

■ 15.2217, 16.9443,
18.1812

Harmonies

Analogous

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



9.1022, 13.3018, 5.1270



7.8093, 13.3018, 9.7453



7.6762, 13.3018, 18.1592

Triad

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



7.8093, 13.3018, 9.7453



13.8686, 13.3018, 38.3186



17.6220, 13.3018, 5.8844

Complementary

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



7.8093, 13.3018, 9.7453



7.6706, 3.9159, 2.1027

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.



19.3909, 13.3018, 11.3404



7.8093, 13.3018, 9.7453



17.0001, 13.3018, 31.2798

Square

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



7.8093, 13.3018, 9.7453



10.8573, 13.3018, 37.3160



19.1464, 13.3018, 20.5517



14.6145, 13.3018, 3.6059

Rectangle

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



7.8093, 13.3018, 9.7453



8.2317, 13.3018, 25.3165



19.1464, 13.3018, 20.5517



18.4017, 13.3018, 7.2882

Sweetspot

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



7.8097, 13.3023, 9.7456



22.0892, 27.7635, 28.4233



7.1266, 13.1175, 2.1566



4.9207, 6.3048, 6.3929



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.



7.8097, 13.3023, 9.7456



13.9211, 23.7944, 17.1191



7.3534, 9.5689, 18.2897



3.7364, 4.1365, 4.4456



8.5968, 14.6527, 10.6989



41.4923, 71.2442, 50.0251

Inverse Universe

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



7.6706, 3.9159, 2.1027



13.6784, 6.9889, 3.4666



7.6131, 4.3354, 0.4358



3.7273, 3.7182, 4.0906



8.4442, 4.3114, 2.2816



40.8011, 20.8706, 9.2818

Previews

White Background



This preview shows how the XYZ color 7.8093, 13.3018, 9.7453 looks on a white background.

Color Contrast Check

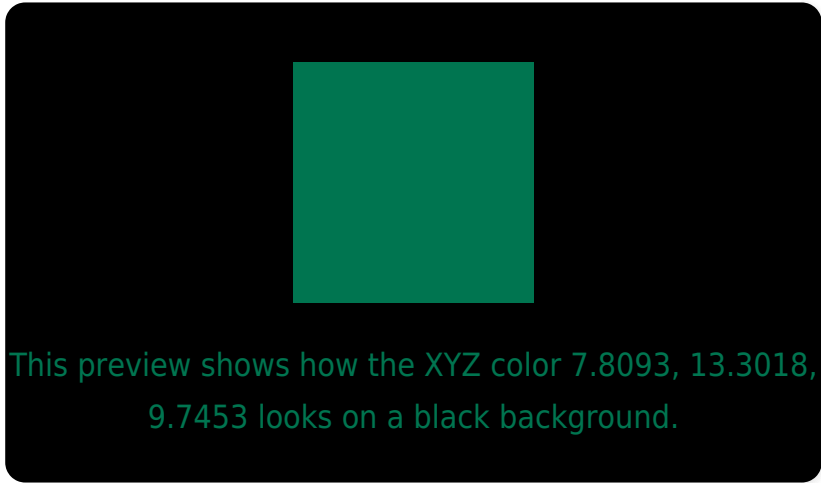
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



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 7.8093, 13.3018, 9.7453

Background



This preview shows how black text looks on a background with the XYZ color 7.8093, 13.3018, 9.7453.



This preview shows how white text looks on a background with the XYZ color 7.8093, 13.3018,

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

7.8093, 13.3018, 9.7453

Protanopia

12.3844, 13.2988, 8.2175

Deuteranopia

13.4391, 13.2270, 10.2323



Tritanopia

10.1204, 13.4199, 20.1461

Trichromacy



Original Color

7.8093, 13.3018, 9.7453

Protanomaly

9.0880, 12.3393, 8.7402

Deuteranomaly

9.5146, 12.2235, 10.0415

Tritanomaly

9.0197, 13.2819, 15.7239

Monochromacy



Original Color

7.8093, 13.3018, 9.7453

Achromatopsia

7.2414, 7.6185, 8.2966

Achromatomaly

6.5538, 8.8969, 8.7690

CSS Examples

Text

The CSS property to change the color of the text to XYZ 7.8093, 13.3018, 9.7453 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, 80)` looks like.

```
.text, #text, p{  
    color:rgb(0, 117, 80)  
}
```

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, 80) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 117, 80) }
```

Border

The CSS property to change the border of an element to XYZ 7.8093, 13.3018, 9.7453 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, 80) }
```


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

```
.border{ border-color:rgb(0, 117, 80) }
```

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, 80)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 117, 80); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 117, 80);  
box-shadow:4px 4px 4px 4px rgb(0, 117, 80)  
}
```

Background

The CSS property to change the background color of an element to XYZ 7.8093, 13.3018, 9.7453 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, 80) }
```

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

```
.background{ background-color: rgb(0, 117,  
80) }
```

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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