

Converting Colors

XYZ(5.4561, 10.8082, 19.2229)

Have a look what the booklet for
XYZ(5.4561, 10.8082, 19.2229)
contains.

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Color

**XYZ(9.0142, 12.7008,
19.4292)**

Conversions

Conversions Part 1

Format	Color
Hex	006F77
RGB	0, 111, 119
RGB Percent	0%, 44%, 47%
CMY	1.0000, 0.5647, 0.5333
CMYK	1.00, 0.07, 0.00, 0.53
HSL	184°, 100%, 23%
HSV	184°, 100%, 47%
XYZ	9.0142, 12.7008, 19.4292
YIQ	78.7230, -68.7240, -21.0440

Conversions

Conversions Part 2

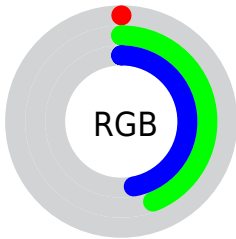
Format	Color
RYB	0, 57, 119
Decimal	28535
CIELab	42.31, -23.32, -12.06
CIELCh	42, 26.252, 207.360
Yxy	12.7008, 0.2191, 0.3087
Android (android.graphics.Color)	4278218615 (0xFF006F77)
YUV	78.7230, 19.8566, -69.0401
Hunter-Lab	35.6382, -17.2176, -7.3770

Details

The XYZ color **9.0142, 12.7008, 19.4292** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **7.6949, 4.0959, 0.3854**, and the grayscale version is **7.3523, 7.7352, 8.4236**.

A 20% lighter version of the original color is **23.5898, 30.7544, 43.2210**, and **2.9148, 4.0099, 6.5816** is the 20% darker color. If you saturate the color by 10%, you get **9.0144, 12.7010, 19.4295**, and if you desaturate by 10%, it is **9.2525, 12.9541, 19.4658**.

Distribution



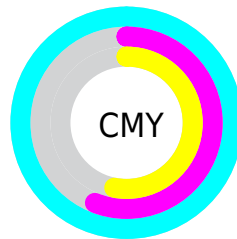
- Red (0%)
- Green (44%)
- Blue (47%)



- Red (0%)
- Yellow (22%)
- Blue (47%)



- Cyan (100%)
- Magenta (7%)
- Yellow (0%)
- Black (53%)



- Cyan (100%)
- Magenta (56%)
- Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 9.0142, 12.7008, 19.4292 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 9.0142, 12.7008, 19.4292 by changing the saturation by 10% instead.

9.0142, 12.7008,
19.4292

9.0142, 12.7008,
19.4292

177.6886,
208.9911, 261.3093

4.8076, 7.2228,
11.8009

23.5909, 30.7652,
43.3044

2.1684, 3.6019,
6.4873

34.6917, 44.1204,
60.3884

0.7260, 1.4534,
3.0701

48.8213, 60.8702,
81.4613

0.0000, 0.2556,
1.1305

66.3450, 81.3989,
106.9417

0.0000, 0.0000,
0.0000

87.6283, 106.0910,
137.2482

113.0364,

135.3308, 172.7993

142.9347,
169.5027, 214.0134

■ 9.0142, 12.7008,
19.4292

■ 9.0142, 12.7008,
19.4292

■ 9.0144, 12.7010,
19.4295

■ 9.2525, 12.9541,
19.4658

■ 9.5628, 13.2454,
19.5056

■ 9.9974, 13.6019,
19.5516

■ 10.5706, 14.0311,
19.6042

■ 11.2949, 14.5393,
19.6641

■ 12.1812, 15.1323,
19.7318

■ 13.2397, 15.8151,
19.8079

■ 14.4794, 16.5926,
19.8926

■ 15.9089, 17.4691,
19.9864

Harmonies

Analogous

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



8.6736, 12.7008, 13.3360



9.0142, 12.7008, 19.4292



10.1443, 12.7008, 25.1045

Triad

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



9.0142, 12.7008, 19.4292



15.5454, 12.7008, 20.5336



12.2468, 12.7008, 5.5846

Complementary

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



9.0142, 12.7008, 19.4292



7.6949, 4.0959, 0.3854

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.



14.2291, 12.7008, 6.5654



9.0142, 12.7008, 19.4292



16.2584, 12.7008, 14.3340

Square

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



9.0142, 12.7008, 19.4292



13.8950, 12.7008, 25.8544



15.7526, 12.7008, 9.4238



10.4154, 12.7008, 6.2664

Rectangle

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



9.0142, 12.7008, 19.4292



11.2628, 12.7008, 27.3220



15.7526, 12.7008, 9.4238



12.9185, 12.7008, 5.7229

Sweetspot

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



9.0146, 12.7013, 19.4295



23.5506, 28.2198, 35.4588



6.6406, 13.2113, 2.4282



5.4213, 6.5854, 8.3921



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.



9.0146, 12.7013, 19.4295



16.1023, 22.6643, 34.7790



4.5390, 3.7501, 17.9376



3.7633, 4.1152, 4.6862



9.5744, 13.4885, 20.6415



46.4070, 65.2305, 100.5051

Inverse Universe

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



10.4773, 5.0700, 15.4658



18.7414, 9.0703, 27.5887



9.6413, 7.9887, 1.0342



3.8165, 3.7539, 4.5606



11.1298, 5.3857, 16.4238



54.1108, 26.1945, 79.3700

Previews

White Background



This preview shows how the XYZ color 9.0142, 12.7008, 19.4292 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 9.0142, 12.7008, 19.4292 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

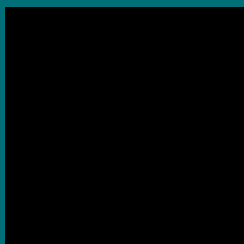
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 9.0142, 12.7008, 19.4292

Background



This preview shows how black text looks on a background with the XYZ color 9.0142, 12.7008, 19.4292.



This preview shows how white text looks on a background with the XYZ color 9.0142, 12.7008,

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

9.0142, 12.7008, 19.4292

Protanopia

12.3681, 12.6680, 16.8322

Deuteranopia

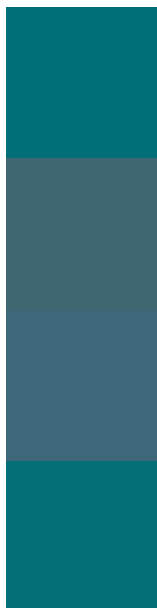
12.9175, 12.7372, 20.1900



Tritanopia

9.1747, 12.7766, 19.7519

Trichromacy



Original Color

9.0142, 12.7008, 19.4292

Protanomaly

9.8741, 11.9395, 17.7037

Deuteranomaly

10.2880, 12.1051, 19.8834

Tritanomaly

9.1372, 12.7572, 19.7501

Monochromacy



Original Color

9.0142, 12.7008, 19.4292

Achromatopsia

7.4317, 7.8187, 8.5146

Achromatomaly

7.0769, 8.9684, 11.9478

CSS Examples

Text

The CSS property to change the color of the text to XYZ 9.0142, 12.7008, 19.4292 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, 111, 119)` looks like.

```
.text, #text, p{  
    color:rgb(0, 111, 119)  
}
```

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, 111, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 111, 119) }
```

Border

The CSS property to change the border of an element to XYZ 9.0142, 12.7008, 19.4292 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, 111, 119) }
```


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

```
.border{ border-color:rgb(0, 111, 119) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 111, 119)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 111, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 111, 119);  
box-shadow:4px 4px 4px 4px rgb(0, 111,  
119) }
```

Background

The CSS property to change the background color of an element to XYZ 9.0142, 12.7008, 19.4292 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 111, 119) }
```

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

```
.background{ background-color: rgb(0, 111,  
119) }
```

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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