

Converting Colors

XYZ(5.1520, 10.9350, 13.4399)

Have a look what the booklet for
XYZ(5.1520, 10.9350, 13.4399)
contains.

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Color

**XYZ(7.9988, 12.4702,
13.5407)**

Conversions

Conversions Part 1

Format	Color
Hex	007062
RGB	0, 112, 98
RGB Percent	0%, 44%, 38%
CMY	1.0000, 0.5608, 0.6157
CMYK	1.00, 0.00, 0.13, 0.56
HSL	172°, 100%, 22%
HSV	172°, 100%, 44%
XYZ	7.9988, 12.4702, 13.5407
YIQ	76.9160, -62.2580, -28.0980

Conversions

Conversions Part 2

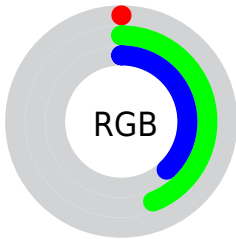
Format	Color
RYB	0, 60, 112
Decimal	28770
CIELab	41.95, -30.69, 0.09
CIELCh	42, 30.690, 179.829
Yxy	12.4702, 0.2352, 0.3667
Android (android.graphics.Color)	4278218850 (0xFF007062)
YUV	76.9160, 10.3944, -67.4553
Hunter-Lab	35.3132, -21.3659, 1.9847

Details

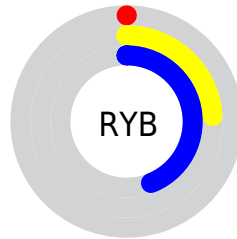
The XYZ color **7.9988, 12.4702, 13.5407** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **6.7618, 3.4768, 0.7306**, and the grayscale version is **7.0288, 7.3949, 8.0530**.

A 20% lighter version of the original color is **21.6019, 30.2167, 33.1276**, and **2.3973, 3.8029, 3.8565** is the 20% darker color. If you saturate the color by 10%, you get **7.9990, 12.4706, 13.5407**, and if you desaturate by 10%, it is **8.2066, 12.5699, 13.8989**.

Distribution



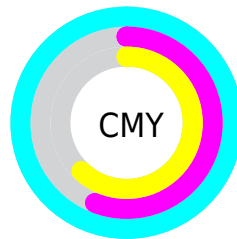
- Red (0%)
- Green (44%)
- Blue (38%)



- Red (0%)
- Yellow (24%)
- Blue (44%)



- Cyan (100%)
- Magenta (0%)
- Yellow (13%)
- Black (56%)



- Cyan (100%)
- Magenta (56%)
- Yellow (62%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 7.9988, 12.4702, 13.5407 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 7.9988, 12.4702, 13.5407 by changing the saturation by 10% instead.

■ 7.9988, 12.4702,
13.5407

■ 7.9988, 12.4702,
13.5407

170.0929,
207.4938, 225.6827

■ 4.1460, 7.0648,
7.6668

■ 21.6415, 30.3486,
32.9771

■ 1.7850, 3.5026,
3.7978

■ 32.1622, 43.5904,
47.3768

■ 0.5086, 1.3994,
1.5151

■ 45.6361, 60.2131,
65.4554

■ 0.0000, 0.2163,
0.2291


■ 62.4287, 80.6011,
87.6316


■ 0.0000, 0.0000,
0.0000


■ 82.9053, 105.1387,
114.3239


■ 107.4313,


134.2105, 145.9508


 136.3720,
168.2007, 182.9309


 7.9988, 12.4702,
13.5407


 7.9988, 12.4702,
13.5407


 7.9990, 12.4706,
13.5407

 8.2066, 12.5699,
13.8989

 8.4736, 12.6997,
14.2657

 8.8496, 12.8856,
14.6436

 9.3468, 13.1338,
15.0334

 9.9758, 13.4498,
15.4355

■ 10.7462, 13.8385,
15.8503

■ 11.6664, 14.3044,
16.2785

■ 12.7444, 14.8515,
16.7202

■ 13.9876, 15.4836,
17.1760

Harmonies

Analogous

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



8.4628, 12.4702, 8.2108



7.9988, 12.4702, 13.5407



8.4524, 12.4702, 20.8003

Triad

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



7.9988, 12.4702, 13.5407



14.1610, 12.4702, 27.5801



14.1864, 12.4702, 5.3796

Complementary

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



7.9988, 12.4702, 13.5407



6.7618, 3.4768, 0.7306

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.



16.0605, 12.4702, 8.2571



7.9988, 12.4702, 13.5407



16.0446, 12.4702, 20.8862

Square

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



7.9988, 12.4702, 13.5407



11.8395, 12.4702, 30.3249



16.7797, 12.4702, 13.6152



11.8656, 12.4702, 4.5162

Rectangle

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



7.9988, 12.4702, 13.5407



9.2520, 12.4702, 25.5571



16.7797, 12.4702, 13.6152



14.8997, 12.4702, 6.0861

Sweetspot

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



7.9992, 12.4707, 13.5410



20.3557, 25.0583, 28.5356



5.9905, 11.6898, 1.9409



4.7581, 5.9531, 6.7961



55.7959, 58.7016, 63.9261



6.5000, 6.8385, 7.4471

Same Dimension

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



7.9992, 12.4707, 13.5410



14.0214, 21.8949, 23.6269



5.1742, 5.6686, 16.1512



3.4579, 3.8084, 4.2176



9.2414, 14.4141, 15.6238



45.8178, 71.7158, 76.6832

Inverse Universe

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



6.7618, 3.4768, 0.7306



11.8494, 6.0958, 1.1317



7.4779, 5.0359, 0.5782



3.3999, 3.4077, 3.6327



7.8110, 4.0168, 0.8149



38.7276, 19.9364, 3.0979

Previews

White Background



This preview shows how the XYZ color 7.9988, 12.4702, 13.5407 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 7.9988, 12.4702, 13.5407 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

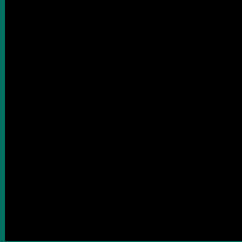
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 7.9988, 12.4702, 13.5407

Background



This preview shows how black text looks on a background with the XYZ color 7.9988, 12.4702, 13.5407.



This preview shows how white text looks on a background with the XYZ color 7.9988, 12.4702, 13.5407.

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

7.9988, 12.4702, 13.5407

Protanopia

11.8495, 12.3743, 11.6615

Deuteranopia

12.6445, 12.4509, 14.3072



Tritanopia

9.2741, 12.5213, 19.0676

Trichromacy



Original Color

7.9988, 12.4702, 13.5407

Protanomaly

9.1174, 11.6669, 12.3611

Deuteranomaly

9.4842, 11.6713, 14.0648

Tritanomaly

8.7137, 12.4380, 16.9804

Monochromacy



Original Color

7.9988, 12.4702, 13.5407

Achromatopsia

7.0540, 7.4214, 8.0819

Achromatomaly

6.5625, 8.6212, 9.9125

CSS Examples

Text

The CSS property to change the color of the text to XYZ 7.9988, 12.4702, 13.5407 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, 112, 98)` looks like.

```
.text, #text, p{  
    color:rgb(0, 112, 98)  
}
```

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, 112, 98) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 112, 98) }
```

Border

The CSS property to change the border of an element to XYZ 7.9988, 12.4702, 13.5407 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, 112, 98) }
```


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

```
.border{ border-color:rgb(0, 112, 98) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 112, 98)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 112, 98); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 112, 98);  
box-shadow:4px 4px 4px 4px rgb(0, 112, 98)  
}
```

Background

The CSS property to change the background color of an element to XYZ 7.9988, 12.4702, 13.5407 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 112, 98) }
```

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

```
.background{ background-color: rgb(0, 112,  
98) }
```

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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