

Converting Colors

XYZ(5.9032, 11.2510, 11.5157)

Have a look what the booklet for
XYZ(5.9032, 11.2510, 11.5157)
contains.

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Color

**XYZ(7.5299, 12.1071,
11.6129)**

Conversions

Conversions Part 1

Format	Color
Hex	006F5A
RGB	0, 111, 90
RGB Percent	0%, 44%, 35%
CMY	1.0000, 0.5647, 0.6471
CMYK	1.00, 0.00, 0.19, 0.56
HSL	169°, 100%, 22%
HSV	169°, 100%, 44%
XYZ	7.5299, 12.1071, 11.6129
YIQ	75.4170, -59.4150, -30.0630

Conversions

Conversions Part 2

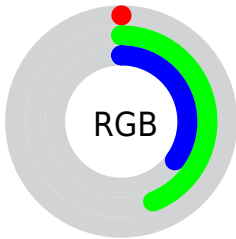
Format	Color
RYB	0, 61, 111
Decimal	28506
CIELab	41.39, -32.61, 4.09
CIELCh	41, 32.865, 172.844
Yxy	12.1071, 0.2410, 0.3874
Android (android.graphics.Color)	4278218586 (0xFF006F5A)
YUV	75.4170, 7.1894, -66.1407
Hunter-Lab	34.7953, -22.2632, 4.5687

Details

The XYZ color **7.5299, 12.1071, 11.6129** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **6.6913, 3.4339, 1.0199**, and the grayscale version is **6.7588, 7.1108, 7.7436**.

A 20% lighter version of the original color is **20.6549, 29.5437, 29.4248**, and **2.1963, 3.6347, 3.0684** is the 20% darker color. If you saturate the color by 10%, you get **7.5301, 12.1075, 11.6129**, and if you desaturate by 10%, it is **7.7603, 12.2157, 12.0973**.

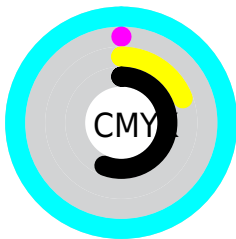
Distribution



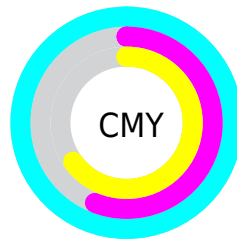
- Red (0%)
- Green (44%)
- Blue (35%)



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



- Cyan (100%)
- Magenta (0%)
- Yellow (19%)
- Black (56%)





- Cyan (100%)
- Magenta (56%)
- Yellow (65%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 7.5299, 12.1071, 11.6129 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 7.5299, 12.1071, 11.6129 by changing the saturation by 10% instead.


 7.5299, 12.1071,
11.6129


 7.5299, 12.1071,
11.6129


166.4475,
205.1130, 212.7116


 3.8449, 6.8167,
6.3614


 20.7259, 29.6900,
29.4419


 1.6148, 3.3477,
2.9937

 30.9676, 42.7513,
42.8564


 0.4020, 1.3158,
1.0914

 44.1257, 59.1716,
59.8289

 0.0000, 0.1534,
0.0000


 60.5653, 79.3354,
80.7781


 0.0000, 0.0000,
0.0000


 80.6520, 103.6270,
106.1224


 104.7510,


132.4309, 136.2804


 133.2277,
166.1315, 171.6706


 7.5299, 12.1071,
11.6129


 7.5299, 12.1071,
11.6129


 7.5301, 12.1075,
11.6129

 7.7603, 12.2157,
12.0973

 8.0495, 12.3540,
12.5974

 8.4469, 12.5478,
13.1161

 8.9645, 12.8033,
13.6538

 9.6127, 13.1258,
14.2113

■ 10.4008, 13.5201,
14.7890

■ 11.3371, 13.9905,
15.3875

■ 12.4295, 14.5410,
16.0071

■ 13.6850, 15.1754,
16.6485

Harmonies

Analogous

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



8.2252, 12.1071, 6.7336



7.5299, 12.1071, 11.6129



7.7768, 12.1071, 18.9684

Triad

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



7.5299, 12.1071, 11.6129



13.3816, 12.1071, 29.3728



14.5061, 12.1071, 5.2400

Complementary

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



7.5299, 12.1071, 11.6129



6.6913, 3.4339, 1.0199

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.



16.2733, 12.1071, 8.7121



7.5299, 12.1071, 11.6129



15.5639, 12.1071, 22.8152

Square

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



7.5299, 12.1071, 11.6129



10.9454, 12.1071, 30.9845



16.6850, 12.1071, 14.8877



12.0883, 12.1071, 3.9723

Rectangle

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



7.5299, 12.1071, 11.6129



8.4613, 12.1071, 24.2851



16.6850, 12.1071, 14.8877



15.2089, 12.1071, 6.1155

Sweetspot

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



7.5302, 12.1076, 11.6132



20.1521, 24.9768, 27.4633



6.0201, 11.5423, 1.9107



4.7044, 5.9316, 6.5130



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.



7.5302, 12.1076, 11.6132



13.4400, 21.6624, 20.5654



5.5728, 6.5545, 16.0109



3.4492, 3.8049, 4.1719



8.8642, 14.2632, 13.6377



43.8577, 70.9317, 66.3609

Inverse Universe

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



6.6913, 3.4339, 1.0199



11.9425, 6.1331, 1.6219



7.1082, 4.4843, 0.4911



3.4079, 3.4109, 3.6748



7.8764, 4.0429, 1.1589



38.9904, 20.0415, 4.4816

Previews

White Background



This preview shows how the XYZ color 7.5299, 12.1071, 11.6129 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 7.5299, 12.1071, 11.6129 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

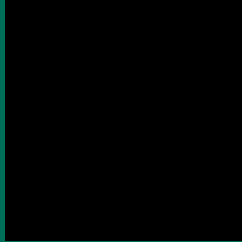
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 7.5299, 12.1071, 11.6129

Background



This preview shows how black text looks on a background with the XYZ color 7.5299, 12.1071, 11.6129.



This preview shows how white text looks on a background with the XYZ color 7.5299, 12.1071, 11.6129.

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

7.5299, 12.1071, 11.6129

Protanopia

11.4295, 12.0575, 9.9085

Deuteranopia

12.2074, 12.0017, 12.2628



Tritanopia

9.0373, 12.0997, 18.3822

Trichromacy



Original Color

7.5299, 12.1071, 11.6129

Protanomaly

8.6779, 11.3329, 10.5342

Deuteranomaly

8.9872, 11.1699, 12.0382

Tritanomaly

8.3257, 11.9461, 15.7769

Monochromacy



Original Color

7.5299, 12.1071, 11.6129

Achromatopsia

6.6877, 7.0360, 7.6622

Achromatomaly

6.1566, 8.1870, 8.8452

CSS Examples

Text

The CSS property to change the color of the text to XYZ 7.5299, 12.1071, 11.6129 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, 90)` looks like.

```
.text, #text, p{  
    color:rgb(0, 111, 90)  
}
```

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, 90) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 111, 90) }
```

Border

The CSS property to change the border of an element to XYZ 7.5299, 12.1071, 11.6129 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, 90) }
```


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

```
.border{ border-color:rgb(0, 111, 90) }
```

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, 90)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 111, 90); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 111, 90);  
box-shadow:4px 4px 4px 4px rgb(0, 111, 90)  
}
```

Background

The CSS property to change the background color of an element to XYZ 7.5299, 12.1071, 11.6129 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, 90) }
```

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

```
.background{ background-color: rgb(0, 111,  
90) }
```

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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