

Converting Colors

XYZ(12.8488, 14.9210, 17.1326)

Have a look what the booklet for
XYZ(12.8488, 14.9210, 17.1326)
contains.

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Color

**XYZ(12.8799, 14.9097,
17.2379)**

Conversions

Conversions Part 1	
Format	Color
Hex	5A706F
RGB	90, 112, 111
RGB Percent	35%, 44%, 44%
CMY	0.6471, 0.5608, 0.5647
CMYK	0.20, 0.00, 0.01, 0.56
HSL	177°, 11%, 40%
HSV	177°, 20%, 44%
XYZ	12.8799, 14.9097, 17.2379
YIQ	105.3080, -12.7910, -4.9750

Conversions

Conversions Part 2

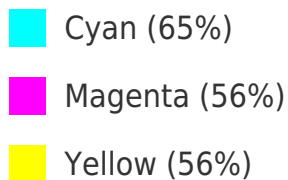
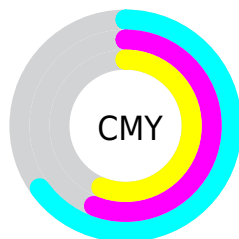
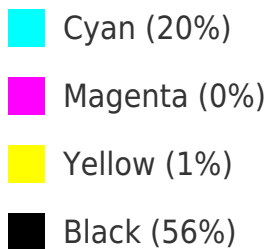
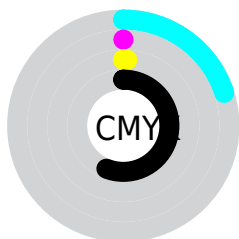
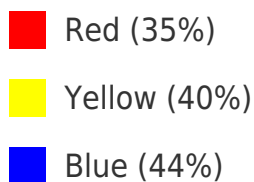
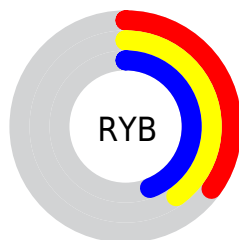
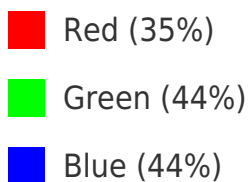
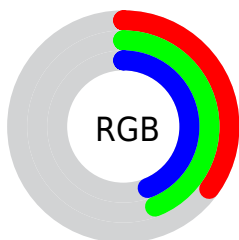
Format	Color
RYB	90, 101, 112
Decimal	5927023
CIELab	45.51, -8.31, -2.14
CIELCh	46, 8.583, 194.454
Yxy	14.9097, 0.2860, 0.3311
Android (android.graphics.Color)	4284117103 (0xFF5A706F)
YUV	105.3080, 2.8062, -13.4251
Hunter-Lab	38.6131, -8.0319, 0.5605

Details

The XYZ color **12.8799, 14.9097, 17.2379** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **12.2272, 11.5129, 11.4761**, and the grayscale version is **13.5063, 14.2096, 15.4743**.

A 20% lighter version of the original color is **30.7015, 34.7707, 39.7436**, and **3.7693, 4.5611, 5.3844** is the 20% darker color. If you saturate the color by 10%, you get **11.8437, 14.3791, 17.0436**, and if you desaturate by 10%, it is **14.0814, 15.5262, 17.4414**.


Distribution




Brightness & Saturation Gradients


These gradients show how the XYZ color 12.8799, 14.9097, 17.2379 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 12.8799, 14.9097, 17.2379 by changing the saturation by 10% instead.


 12.8799, 14.9097,
17.2379


 12.8799, 14.9097,
17.2379


203.7997,
222.8190, 248.6298


 7.4223, 8.7560,
10.2405


 30.6910, 34.6947,
39.5306


 3.7763, 4.5824,
5.4510

 43.7752, 49.0948,
55.6630


 1.5764, 2.0044,
2.4509

 60.1324, 67.0125,
75.6774

 0.3769, 0.6100,
0.8140

 80.1279, 88.8322,
99.9925

 0.0000, 0.0000,
0.0000

 104.1270,
114.9384, 129.0268

132.4951,

145.7153, 163.1987

165.5975,
181.5473, 202.9269

■ 12.8799, 14.9097,
17.2379

■ 12.8799, 14.9097,
17.2379

■ 11.8437, 14.3791,
17.0436

■ 14.0814, 15.5262,
17.4414

■ 10.9640, 13.9289,
16.8571

■ 15.4536, 16.2304,
17.6535

■ 10.2336, 13.5555,
16.6784

■ 17.0035, 17.0261,
17.8747

■ 9.6437, 13.2546,
16.5071

■ 18.7373, 17.9166,
18.1054

■ 9.1850, 13.0213,
16.3428

■ 20.6607, 18.9048,
18.3458

8.8469, 12.8501,
16.1850

22.7794, 19.9937,
18.5961

8.6171, 12.7348,
16.0331

25.0987, 21.1860,
18.8567

8.4491, 12.6513,
15.8849

27.6238, 22.4843,
19.1278

8.4432, 12.6484,
15.8796

30.3596, 23.8912,
19.4096

Harmonies

Analogous

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



12.8863, 14.9097, 15.2005



12.8799, 14.9097, 17.2379



13.2114, 14.9097, 19.1538

Triad

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



12.8799, 14.9097, 17.2379



15.1571, 14.9097, 19.2132



14.5433, 14.9097, 12.7253

Complementary

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



12.8799, 14.9097, 17.2379



12.2272, 11.5129, 11.4761

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.



15.1765, 14.9097, 13.6273



12.8799, 14.9097, 17.2379



15.5389, 14.9097, 17.3136

Square

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



12.8799, 14.9097, 17.2379



14.5175, 14.9097, 20.3577



15.5461, 14.9097, 15.2701



13.8305, 14.9097, 12.7088

Rectangle

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



12.8799, 14.9097, 17.2379



13.5860, 14.9097, 20.0562



15.5461, 14.9097, 15.2701



14.7730, 14.9097, 12.9314

Sweetspot

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



12.8803, 14.9103, 17.2382



25.5420, 27.6879, 30.7671



11.9644, 14.5564, 11.8523



6.1101, 6.6384, 7.3875



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.



12.8803, 14.9103, 17.2382



21.6834, 25.7092, 30.1098



11.9028, 12.8665, 17.1860



3.4687, 3.8127, 4.2746



9.7582, 14.6208, 18.3451



48.5211, 72.7971, 90.9184

Inverse Universe

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



12.2272, 11.5129, 11.4761



20.2928, 18.4753, 17.8416



13.0757, 13.2787, 11.5471



3.3901, 3.4037, 3.5809



7.7548, 3.9943, 0.5189



38.5433, 19.8626, 2.1270

Previews

White Background



This preview shows how the XYZ color 12.8799, 14.9097, 17.2379 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 12.8799, 14.9097, 17.2379 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 12.8799, 14.9097, 17.2379

Background



This preview shows how black text looks on a background with the XYZ color 12.8799, 14.9097, 17.2379.



This preview shows how white text looks on a background with the XYZ color 12.8799, 14.9097,

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

12.8799, 14.9097, 17.2379

Protanopia

14.2711, 14.8493, 16.3014

Deuteranopia

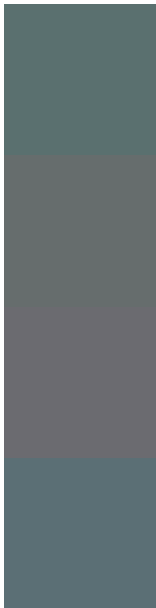
15.1334, 14.8059, 17.6830



Tritanopia

13.4882, 15.0003, 19.9537

Trichromacy



Original Color
12.8799, 14.9097, 17.2379

Protanomaly
13.7084, 14.8662, 16.6149

Deuteranomaly
14.2457, 14.8110, 17.4372

Tritanomaly
13.2097, 14.8774, 19.0050

Monochromacy



Original Color
12.8799, 14.9097, 17.2379

Achromatopsia
13.4271, 14.1263, 15.3836

Achromatomaly
13.2719, 14.4960, 16.0084

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.8799, 14.9097, 17.2379 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(90, 112, 111) looks like.

```
.text, #text, p{  
    color:rgb(90, 112, 111)  
}
```

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(90, 112, 111) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 112, 111) }
```

Border

The CSS property to change the border of an element to XYZ 12.8799, 14.9097, 17.2379 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(90, 112, 111) }
```


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

```
.border{ border-color:rgb(90, 112, 111) }
```

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

Here you see how a box with a 4 pixel `rgb(90, 112, 111)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(90, 112, 111); -webkit-box-  
shadow:4px 4px 4px 4px rgb(90, 112, 111);  
box-shadow:4px 4px 4px 4px rgb(90, 112,  
111) }
```

Background

The CSS property to change the background color of an element to XYZ 12.8799, 14.9097, 17.2379 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(90, 112, 111) }
```

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

```
.background{ background-color: rgb(90, 112,  
111) }
```

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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