

Converting Colors

XYZ(12.9376, 17.6398, 16.3527)

Have a look what the booklet for
XYZ(12.9376, 17.6398, 16.3527)
contains.

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Color

**XYZ(12.9385, 17.6358,
16.3578)**

Conversions

Conversions Part 1

Format	Color
Hex	497F6A
RGB	73, 127, 106
RGB Percent	29%, 50%, 42%
CMY	0.7137, 0.5020, 0.5843
CMYK	0.43, 0.00, 0.17, 0.50
HSL	157°, 27%, 39%
HSV	157°, 43%, 50%
XYZ	12.9385, 17.6358, 16.3578
YIQ	108.4600, -25.4430, -17.9790

Conversions

Conversions Part 2

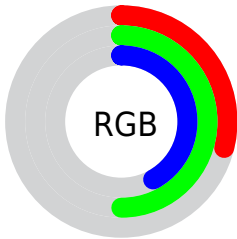
Format	Color
RYB	73, 107, 127
Decimal	4816746
CIELab	49.05, -23.19, 5.84
CIElCh	49, 23.909, 165.870
Yxy	17.6358, 0.2757, 0.3758
Android (android.graphics.Color)	4283006826 (0xFF497F6A)
YUV	108.4600, -1.2128, -31.0984
Hunter-Lab	41.9950, -18.4961, 6.3020

Details

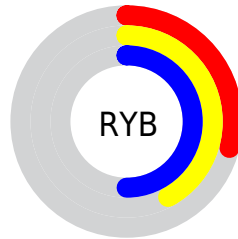
The XYZ color **12.9385, 17.6358, 16.3578** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **13.1558, 10.0856, 11.8435**, and the grayscale version is **14.3920, 15.1415, 16.4890**.

A 20% lighter version of the original color is **30.7192, 39.3619, 37.8768**, and **3.7742, 5.7941, 5.0571** is the 20% darker color. If you saturate the color by 10%, you get **11.8234, 17.0902, 15.0034**, and if you desaturate by 10%, it is **14.2659, 18.2900, 17.8001**.

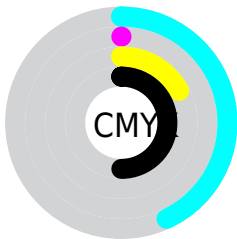
Distribution



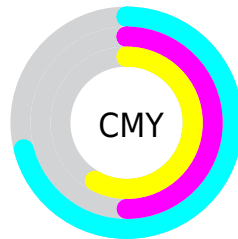
- Red (29%)
- Green (50%)
- Blue (42%)



- Red (29%)
- Yellow (42%)
- Blue (50%)



- Cyan (43%)
- Magenta (0%)
- Yellow (17%)
- Black (50%)



- Cyan (71%)
- Magenta (50%)
- Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.9385, 17.6358, 16.3578 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 12.9385, 17.6358, 16.3578 by changing the saturation by 10% instead.

■ 12.9385, 17.6358,
16.3578

■ 12.9385, 17.6358,
16.3578

204.1687,
238.8101, 243.3612

■ 7.4629, 10.6888,
9.6206

■ 30.7955, 39.4158,
37.9937

■ 3.8021, 5.8580,
5.0458

■ 43.9076, 55.0175,
53.7294

■ 1.5908, 2.7589,
2.2150

■ 60.2960, 74.2730,
73.3017

■ 0.3864, 1.0072,
0.6830

■ 80.3260, 97.5666,
97.1292

■ 0.0000, 0.0000,
0.0000

■ 104.3629,
125.2828, 125.6303

132.7720,

157.8058, 159.2237

165.9189,
195.5201, 198.3278

■ 12.9385, 17.6358,
16.3578

■ 12.9385, 17.6358,
16.3578

■ 11.8234, 17.0902,
15.0034

■ 14.2659, 18.2900,
17.8001

■ 10.9068, 16.6449,
13.7339

■ 15.8155, 19.0566,
19.3310

■ 10.1757, 16.2935,
12.5478

■ 17.5981, 19.9415,
20.9525

■ 9.6146, 16.0281,
11.4428

■ 19.6235, 20.9498,
22.6663

■ 9.2053, 15.8394,
10.4169

■ 21.9010, 22.0863,
24.4739

■ 8.9509, 15.7239,
9.6980

■ 24.4392, 23.3552,
26.3771

■ 27.2464, 24.7610,
28.3772

■ 30.3305, 26.3077,
30.4758

■ 33.6991, 27.9991,
32.6742

Harmonies

Analogous

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



13.8691, 17.6358, 11.8582



12.9385, 17.6358, 16.3578



12.9669, 17.6358, 22.7600

Triad

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



12.9385, 17.6358, 16.3578



17.9624, 17.6358, 33.6021



19.9287, 17.6358, 11.6680

Complementary

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



12.9385, 17.6358, 16.3578



13.1558, 10.0856, 11.8435

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.



21.2343, 17.6358, 16.0363



12.9385, 17.6358, 16.3578



20.0322, 17.6358, 29.0849

Square

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



12.9385, 17.6358, 16.3578



15.7372, 17.6358, 33.7424



21.2738, 17.6358, 22.3590



17.8310, 17.6358, 9.5859

Rectangle

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



12.9385, 17.6358, 16.3578



13.5222, 17.6358, 27.3341



21.2738, 17.6358, 22.3590



20.4826, 17.6358, 12.8682

Sweetspot

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



12.9390, 17.6365, 16.3582



31.2453, 35.5762, 37.2843



13.4703, 18.0720, 9.0818



7.1657, 8.2550, 8.5964



62.3462, 65.5931, 71.4309



8.4577, 8.8982, 9.6901

Same Dimension

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



12.9390, 17.6365, 16.3582



21.2278, 30.6306, 26.9386



13.4894, 16.7705, 22.6056



4.3778, 4.8594, 5.1604



9.0262, 15.8571, 9.7767



0.0000, 0.0000, 0.0000

Inverse Universe

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



13.1558, 10.0856, 11.8435



21.6747, 15.2142, 17.7414



12.7084, 10.4992, 7.6602



4.3916, 4.3698, 4.8668



9.3939, 4.7772, 3.3979



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 12.9385, 17.6358, 16.3578 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 12.9385, 17.6358, 16.3578 looks on a black 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

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

XYZ 12.9385, 17.6358, 16.3578

Background



This preview shows how black text looks on a background with the XYZ color 12.9385, 17.6358, 16.3578.

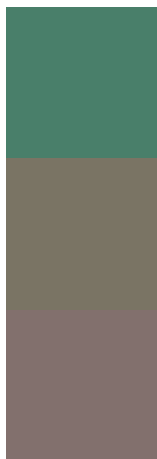


This preview shows how white text looks on a background with the XYZ color 12.9385, 17.6358,

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

12.9385, 17.6358, 16.3578

Protanopia

16.5717, 17.5485, 14.5704

Deuteranopia

17.7604, 17.4383, 16.8979



Tritanopia

14.6249, 17.5648, 24.8098

Trichromacy



Original Color

12.9385, 17.6358, 16.3578

Protanomaly

14.8237, 17.3353, 15.1351

Deuteranomaly

15.3747, 17.0565, 16.6693

Tritanomaly

13.8434, 17.4231, 21.3723

Monochromacy



Original Color

12.9385, 17.6358, 16.3578

Achromatopsia

14.2537, 14.9960, 16.3306

Achromatomaly

13.5039, 15.7559, 16.2394

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.9385, 17.6358, 16.3578 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(73, 127, 106)` looks like.

```
.text, #text, p{  
    color:rgb(73, 127, 106)  
}
```

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(73, 127, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(73, 127, 106) }
```

Border

The CSS property to change the border of an element to XYZ 12.9385, 17.6358, 16.3578 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(73, 127, 106) }
```


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

```
.border{ border-color:rgb(73, 127, 106) }
```

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

Here you see how a box with a 4 pixel `rgb(73, 127, 106)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(73, 127, 106); -webkit-box-  
shadow:4px 4px 4px 4px rgb(73, 127, 106);  
box-shadow:4px 4px 4px 4px rgb(73, 127,  
106) }
```

Background

The CSS property to change the background color of an element to XYZ 12.9385, 17.6358, 16.3578 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(73, 127, 106) }
```

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

```
.background{ background-color: rgb(73, 127,  
106) }
```

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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