

Converting Colors

XYZ(12.3789, 12.8521, 18.6244)

Have a look what the booklet for
XYZ(12.3789, 12.8521, 18.6244)
contains.

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Color

**XYZ(12.4807, 12.9714,
18.6756)**

Conversions

Conversions Part 1

Format	Color
Hex	5E6575
RGB	94, 101, 117
RGB Percent	37%, 40%, 46%
CMY	0.6314, 0.6039, 0.5412
CMYK	0.20, 0.14, 0.00, 0.54
HSL	222°, 11%, 41%
HSV	222°, 20%, 46%
XYZ	12.4807, 12.9714, 18.6756
YIQ	100.7310, -9.3080, 3.4920

Conversions

Conversions Part 2

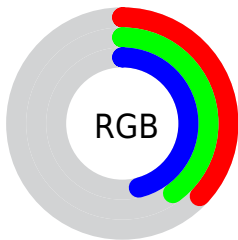
Format	Color
R_{YB}	94, 99, 117
Decimal	6186357
CIE _{Lab}	42.72, 1.03, -9.88
CIE _{LCh}	43, 9.935, 275.976
Yxy	12.9714, 0.2828, 0.2940
Android (android.graphics.Color)	4284376437 (0xFF5E6575)
YUV	100.7310, 8.0206, -5.9031
Hunter-Lab	36.0158, -1.1714, -5.5331

Details

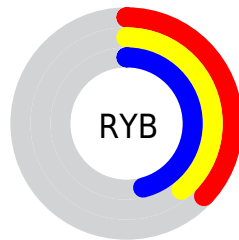
The XYZ color **12.4807, 12.9714, 18.6756** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **14.9327, 15.7421, 12.8416**, and the grayscale version is **12.2824, 12.9220, 14.0721**.

A 20% lighter version of the original color is **30.0667, 31.3408, 42.0008**, and **3.5656, 3.6723, 6.1511** is the 20% darker color. If you saturate the color by 10%, you get **10.6193, 10.8965, 18.3734**, and if you desaturate by 10%, it is **14.6031, 15.2977, 19.0130**.

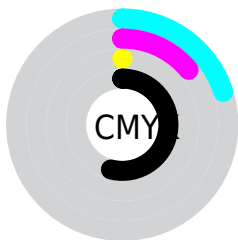
Distribution



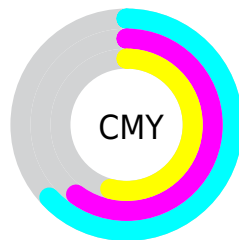
- Red (37%)
- Green (40%)
- Blue (46%)



- Red (37%)
- Yellow (39%)
- Blue (46%)



- Cyan (20%)
- Magenta (14%)
- Yellow (0%)
- Black (54%)



- Cyan (63%)
- Magenta (60%)
- Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.4807, 12.9714, 18.6756 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 12.4807, 12.9714, 18.6756 by changing the saturation by 10% instead.

■ 12.4807, 12.9714,
18.6756

■ 12.4807, 12.9714,
18.6756

201.2678,
210.7343, 257.0148

■ 7.1465, 7.4089,
11.2617

■ 29.9769, 31.2524,
42.0146

■ 3.6010, 3.7191,
6.1267

■ 42.8697, 44.7396,
58.7767

■ 1.4790, 1.5177,
2.8523

■ 59.0126, 61.6372,
79.4920

■ 0.3115, 0.3011,
1.0197

■ 78.7711, 82.3296,
104.5790

■ 0.0000, 0.0000,
0.0000

102.5105,
107.2010, 134.4563

130.5962,

136.6361, 169.5423

163.3935,
171.0190, 210.2556

■ 12.4807, 12.9714,
18.6756

■ 12.4807, 12.9714,
18.6756

■ 10.6193, 10.8965,
18.3734

■ 14.6031, 15.2977,
19.0130

■ 9.0072, 9.0627,
18.1044

■ 16.9951, 17.8821,
19.3857

■ 7.6337, 7.4611,
17.8677

■ 19.6664, 20.7329,
19.7952

■ 6.4868, 6.0820,
17.6619

■ 22.6259, 23.8579,
20.2424

■ 5.5533, 4.9146,
17.4858

■ 25.8819, 27.2641,
20.7283

■ 4.8185, 3.9473,
17.3378

■ 29.4426, 30.9585,
21.2537

■ 4.2658, 3.1669,
17.2163

■ 33.3158, 34.9479,
21.8196

■ 3.8436, 2.5422,
17.1180

■ 37.5089, 39.2387,
22.4268

■ 3.8302, 2.5228,
17.1150

■ 42.0292, 43.8373,
23.0762

Harmonies

Analogous

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



11.7473, 12.9714, 18.2719



12.4807, 12.9714, 18.6756



13.2016, 12.9714, 17.7627

Triad

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



12.4807, 12.9714, 18.6756



13.5415, 12.9714, 11.8192



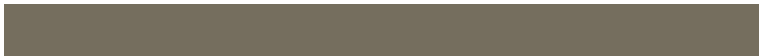
11.0499, 12.9714, 12.4977

Complementary

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



12.4807, 12.9714, 18.6756



14.9327, 15.7421, 12.8416

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.



11.4956, 12.9714, 11.0190



12.4807, 12.9714, 18.6756



12.9295, 12.9714, 10.6562

Square

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



12.4807, 12.9714, 18.6756



13.8299, 12.9714, 13.6952



12.1784, 12.9714, 10.3789



10.9407, 12.9714, 14.5610

Rectangle

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



12.4807, 12.9714, 18.6756



13.5718, 12.9714, 16.5802



12.1784, 12.9714, 10.3789



11.1644, 12.9714, 11.9226

Sweetspot

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



12.4811, 12.9719, 18.6759



27.5938, 28.9607, 34.2726



13.7768, 16.2222, 17.0765



6.2989, 6.6094, 7.8727



57.3938, 60.3827, 65.7568



6.9614, 7.3239, 7.9757

Same Dimension

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



12.4811, 12.9719, 18.6759



20.6380, 21.3291, 33.1662



12.2744, 11.8989, 18.4797



3.5831, 3.7549, 4.6262



4.2073, 2.7542, 18.8524



19.8285, 12.0736, 91.6457

Inverse Universe

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



13.6882, 12.7273, 14.0476



23.2752, 20.8720, 23.0371



15.1642, 17.0274, 13.0775



3.7256, 3.7175, 4.0818



8.4208, 4.3020, 2.1580



40.6953, 20.8282, 8.7246

Previews

White Background



This preview shows how the XYZ color 12.4807, 12.9714, 18.6756 looks on a white background.

Color Contrast Check

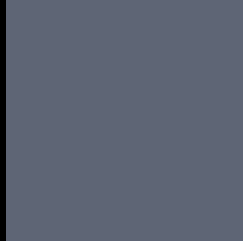
Large Text (above 18pt) WCAG AA ✓ Pass

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 12.4807, 12.9714, 18.6756 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

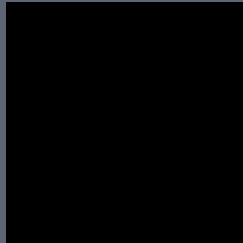
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

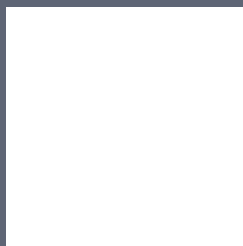
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 12.4807, 12.9714, 18.6756

Background



This preview shows how black text looks on a background with the XYZ color 12.4807, 12.9714, 18.6756.

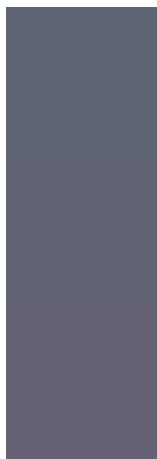


This preview shows how white text looks on a background with the XYZ color 12.4807, 12.9714,

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

12.4807, 12.9714, 18.6756

Protanopia

12.7466, 12.9720, 18.3550

Deuteranopia

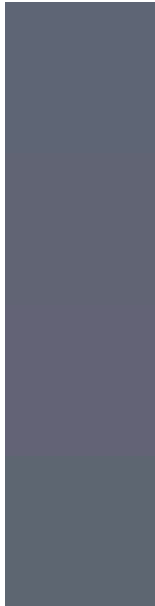
13.1172, 12.8682, 18.9320



Tritanopia

12.0800, 12.9557, 16.6159

Trichromacy



Original Color

12.4807, 12.9714, 18.6756

Protanomaly

12.6393, 12.9167, 18.3500

Deuteranomaly

12.8774, 12.8843, 18.9478

Tritanomaly

12.2462, 13.0222, 17.4909

Monochromacy



Original Color

12.4807, 12.9714, 18.6756

Achromatopsia

12.3695, 13.0136, 14.1719

Achromatomaly

12.3445, 12.9656, 15.7619

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.4807, 12.9714, 18.6756 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(94, 101, 117) looks like.

```
.text, #text, p{  
    color:rgb(94, 101, 117)  
}
```

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(94, 101, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(94, 101, 117) }
```

Border

The CSS property to change the border of an element to XYZ 12.4807, 12.9714, 18.6756 is called "border". The border property can be set on classes, ids or directly on the HTML element.

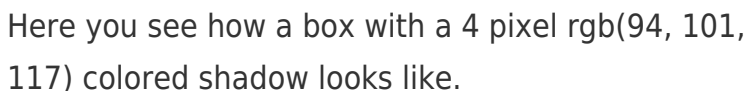
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(94, 101, 117) }
```


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

```
.border{ border-color:rgb(94, 101, 117) }
```

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



Here you see how a box with a 4 pixel `rgb(94, 101, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(94, 101, 117); -webkit-box-shadow:4px 4px 4px 4px rgb(94, 101, 117); box-shadow:4px 4px 4px 4px rgb(94, 101, 117) }
```

Background

The CSS property to change the background color of an element to XYZ 12.4807, 12.9714, 18.6756 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(94, 101, 117) }
```

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

```
.background{ background-color: rgb(94, 101,  
117) }
```

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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