

Converting Colors

XYZ(12.4978, 11.7976, 13.9141)

Have a look what the booklet for
XYZ(12.4978, 11.7976, 13.9141)
contains.

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Color

**XYZ(12.4828, 11.8451,
13.9403)**

Conversions

Conversions Part 1

Format	Color
Hex	6D5C65
RGB	109, 92, 101
RGB Percent	43%, 36%, 40%
CMY	0.5725, 0.6392, 0.6039
CMYK	0.00, 0.16, 0.07, 0.57
HSL	328°, 8%, 39%
HSV	328°, 16%, 43%
XYZ	12.4828, 11.8451, 13.9403
YIQ	98.1090, 7.2430, 6.4030

Conversions

Conversions Part 2

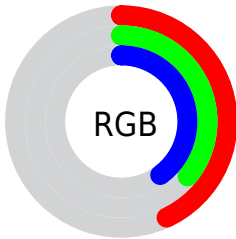
Format	Color
R_{YB}	109, 92, 101
Decimal	7167077
CIE Lab	40.97, 8.60, -2.58
CIE LCh	41, 8.976, 343.299
Yxy	11.8451, 0.3262, 0.3095
Android (android.graphics.Color)	4285357157 (0xFF6D5C65)
YUV	98.1090, 1.4253, 9.5514
Hunter-Lab	34.4167, 4.5120, 0.0766

Details

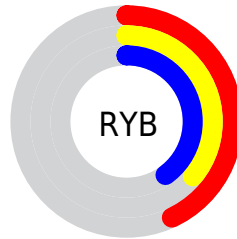
The XYZ color **12.4828, 11.8451, 13.9403** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **12.1830, 14.1331, 14.1432**, and the grayscale version is **11.6322, 12.2379, 13.3271**.

A 20% lighter version of the original color is **30.0384, 29.1901, 33.7568**, and **3.5673, 3.2124, 3.9221** is the 20% darker color. If you saturate the color by 10%, you get **11.3622, 9.9935, 12.3651**, and if you desaturate by 10%, it is **13.7557, 13.9758, 15.6439**.

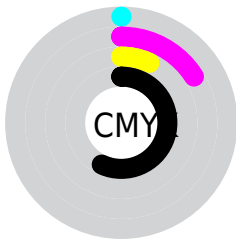
Distribution



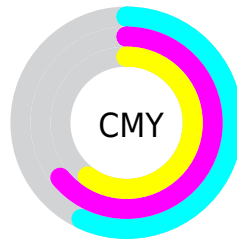
- Red (43%)
- Green (36%)
- Blue (40%)



- Red (43%)
- Yellow (36%)
- Blue (40%)



- Cyan (0%)
- Magenta (16%)
- Yellow (7%)
- Black (57%)



- Cyan (57%)
- Magenta (64%)
- Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.4828, 11.8451, 13.9403 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 12.4828, 11.8451, 13.9403 by changing the saturation by 10% instead.

■ 12.4828, 11.8451,
13.9403

■ 12.4828, 11.8451,
13.9403

201.2812,
203.3771, 228.2746

■ 7.1479, 6.6383,
7.9409

■ 29.9807, 29.2127,
33.6987

■ 3.6019, 3.2369,
3.9699

■ 42.8745, 42.1422,
48.2947

■ 1.4795, 1.2566,
1.6089

■ 59.0185, 58.4148,
66.5933

■ 0.3118, 0.1073,
0.2971

■ 78.7783, 78.4148,
89.0131

■ 0.0000, 0.0000,
0.0000

102.5190,
102.5267, 115.9726

130.6062,

131.1347, 147.8903

163.4052,
164.6234, 185.1848

■ 12.4828, 11.8451,
13.9403

■ 12.4828, 11.8451,
13.9403

■ 11.3622, 9.9935,
12.3651

■ 13.7557, 13.9758,
15.6439

■ 10.3868, 8.4078,
10.9143

■ 15.1855, 16.3949,
17.4785

■ 9.5504, 7.0760,
9.5844

■ 16.7780, 19.1135,
19.4475

■ 8.8460, 5.9845,
8.3716

■ 18.5384, 22.1413,
21.5538

■ 8.2661, 5.1187,
7.2718

■ 20.4715, 25.4877,
23.8005

7.8021, 4.4620,
6.2807

22.5820, 29.1618,
26.1902

7.4444, 3.9958,
5.3935

24.8745, 33.1723,
28.7257

7.1734, 3.6813,
4.6018

27.3533, 37.5273,
31.4096

7.0628, 3.5537,
4.2766

30.0226, 42.2350,
34.2445

Harmonies

Analogous

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



12.1265, 11.8451, 15.6455



12.4828, 11.8451, 13.9403



12.5031, 11.8451, 12.1009

Triad

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



12.4828, 11.8451, 13.9403



10.9768, 11.8451, 9.7533



10.3836, 11.8451, 15.4773

Complementary

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



12.4828, 11.8451, 13.9403



12.1830, 14.1331, 14.1432

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.



10.0992, 11.8451, 13.7279



12.4828, 11.8451, 13.9403



10.4328, 11.8451, 10.4914

Square

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



12.4828, 11.8451, 13.9403



11.6169, 11.8451, 9.7985



10.1168, 11.8451, 11.9077



10.9073, 11.8451, 16.5890

Rectangle

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



12.4828, 11.8451, 13.9403



12.3221, 11.8451, 11.0519



10.1168, 11.8451, 11.9077



10.2577, 11.8451, 14.9375

Sweetspot

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



12.4831, 11.8456, 13.9406



24.7418, 25.2115, 28.1571



11.8361, 11.4645, 16.0573



5.7282, 5.8173, 6.5138



54.2243, 57.0482, 62.1254



6.0569, 6.3724, 6.9395

Same Dimension

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



12.4831, 11.8456, 13.9406



21.5316, 19.8487, 23.8260



12.0909, 11.6887, 11.8751



3.1604, 3.1410, 3.5751



8.2485, 4.1515, 4.9372



41.5878, 20.9771, 22.8297

Inverse Universe

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



12.4831, 11.8456, 13.9406



21.5316, 19.8487, 23.8260



12.6126, 14.3049, 16.4052



3.1604, 3.1410, 3.5751



8.2485, 4.1515, 4.9372



41.5878, 20.9771, 22.8297

Previews

White Background



This preview shows how the XYZ color 12.4828, 11.8451, 13.9403 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 12.4828, 11.8451, 13.9403 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 12.4828, 11.8451, 13.9403

Background



This preview shows how black text looks on a background with the XYZ color 12.4828, 11.8451, 13.9403.



This preview shows how white text looks on a background with the XYZ color 12.4828, 11.8451,

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

12.4828, 11.8451, 13.9403

Protanopia

11.4549, 11.8318, 14.5120

Deuteranopia

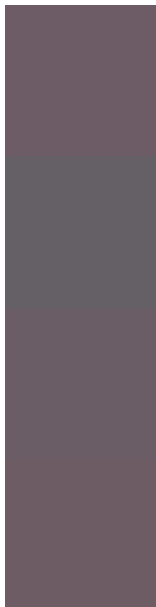
12.0606, 11.8880, 13.9709



Tritanopia

12.3860, 11.8064, 13.4304

Trichromacy



Original Color

12.4828, 11.8451, 13.9403

Protanomaly

11.8573, 11.9104, 14.2444

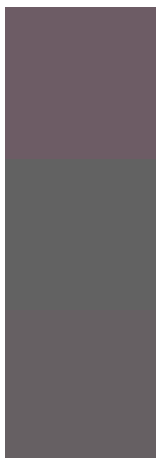
Deuteranomaly

12.2072, 11.8325, 13.9524

Tritanomaly

12.4341, 11.8256, 13.6838

Monochromacy



Original Color

12.4828, 11.8451, 13.9403

Achromatopsia

11.6093, 12.2139, 13.3009

Achromatomaly

11.9145, 12.0914, 13.5103

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.4828, 11.8451, 13.9403 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(109, 92, 101)` looks like.

```
.text, #text, p{  
  color:rgb(109, 92, 101)  
}
```

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(109, 92, 101) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 92, 101) }
```

Border

The CSS property to change the border of an element to XYZ 12.4828, 11.8451, 13.9403 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(109, 92, 101) }
```


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

```
.border{ border-color:rgb(109, 92, 101) }
```

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

Here you see how a box with a 4 pixel `rgb(109, 92, 101)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(109, 92, 101); -webkit-box-  
shadow:4px 4px 4px 4px rgb(109, 92, 101);  
box-shadow:4px 4px 4px 4px rgb(109, 92,  
101) }
```

Background

The CSS property to change the background color of an element to XYZ 12.4828, 11.8451, 13.9403 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 92, 101) }
```

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

```
.background{ background-color: rgb(109, 92,  
101) }
```

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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