

Converting Colors

XYZ(12.3323, 11.9244, 12.7180)

Have a look what the booklet for
XYZ(12.3323, 11.9244, 12.7180)
contains.

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Color

**XYZ(12.3323, 11.9244,
12.7180)**

Conversions

Conversions Part 1

Format	Color
Hex	6D5D60
RGB	109, 93, 96
RGB Percent	43%, 36%, 38%
CMY	0.5725, 0.6353, 0.6235
CMYK	0.00, 0.15, 0.12, 0.57
HSL	349°, 8%, 40%
HSV	349°, 15%, 43%
XYZ	12.3323, 11.9244, 12.7180
YIQ	98.1260, 8.5730, 4.3250

Conversions

Conversions Part 2

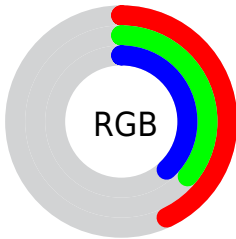
Format	Color
R_{YB}	109, 93, 96
Decimal	7167328
CIE Lab	41.10, 7.02, 0.68
CIE LCh	41, 7.057, 5.497
Yxy	11.9244, 0.3335, 0.3225
Android (android.graphics.Color)	4285357408 (0xFF6D5D60)
YUV	98.1260, -1.0481, 9.5365
Hunter-Lab	34.5317, 3.3171, 2.3358

Details

The XYZ color **12.3323, 11.9244, 12.7180** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **12.5848, 14.3053, 15.7341**, and the grayscale version is **11.6421, 12.2484, 13.3385**.

A 20% lighter version of the original color is **29.7087, 29.2973, 31.2833**, and **3.5167, 3.2554, 3.4606** is the 20% darker color. If you saturate the color by 10%, you get **11.0579, 9.9918, 10.3934**, and if you desaturate by 10%, it is **13.7897, 14.1493, 15.3306**.

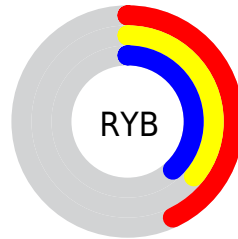
Distribution



Red (43%)

Green (36%)

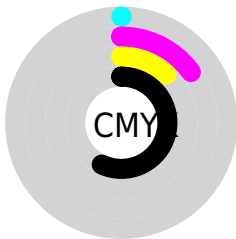
Blue (38%)



Red (43%)

Yellow (36%)

Blue (38%)

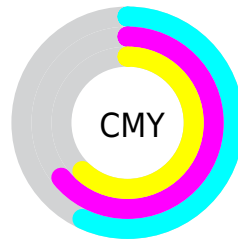


Cyan (0%)

Magenta (15%)

Yellow (12%)

Black (57%)



Cyan (57%)

Magenta (64%)

Yellow (62%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.3323, 11.9244, 12.7180 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 12.3323, 11.9244, 12.7180 by changing the saturation by 10% instead.

■ 12.3323, 11.9244,
12.7180

■ 12.3323, 11.9244,
12.7180

200.3183,
203.9042, 220.2464

■ 7.0442, 6.6922,
7.1062

■ 29.7105, 29.3573,
31.4799

■ 3.5363, 3.2704,
3.4492

■ 42.5314, 42.3269,
45.4672

■ 1.4433, 1.2745,
1.3283

■ 58.5939, 58.6444,
63.0833

■ 0.2868, 0.1213,
0.0848

■ 78.2633, 78.6941,
84.7469

■ 0.0000, 0.0000,
0.0000

101.9052,
102.8606, 110.8764

129.8847,

131.5282, 141.8905

162.5673,
165.0812, 178.2076

■ 12.3323, 11.9244,
12.7180

■ 12.3323, 11.9244,
12.7180

■ 11.0579, 9.9918,
10.3934

■ 13.7897, 14.1493,
15.3306

■ 9.9583, 8.3377,
8.3461

■ 15.4360, 16.6762,
18.2400

■ 9.0260, 6.9498,
6.5660

■ 17.2780, 19.5164,
21.4553

■ 8.2527, 5.8140,
5.0419

■ 19.3219, 22.6802,
24.9851

■ 7.6294, 4.9152,
3.7618

■ 21.5736, 26.1773,
28.8377

■ 7.1460, 4.2364,
2.7129

■ 24.0387, 30.0171,
33.0211

■ 6.7913, 3.7584,
1.8809

■ 26.7227, 34.2086,
37.5429

■ 6.5467, 3.4480,
1.2483

■ 29.6309, 38.7605,
42.4106

■ 6.4368, 3.3033,
0.9803

■ 32.7683, 43.6810,
47.6313

Harmonies

Analogous

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



12.2444, 11.9244, 14.1766



12.3323, 11.9244, 12.7180



12.1463, 11.9244, 11.4288

Triad

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



12.3323, 11.9244, 12.7180



10.7770, 11.9244, 10.8403



10.9342, 11.9244, 15.6939

Complementary

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



12.3323, 11.9244, 12.7180



12.5848, 14.3053, 15.7341

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.



10.5584, 11.9244, 14.6735



12.3323, 11.9244, 12.7180



10.4695, 11.9244, 11.8596

Square

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



12.3323, 11.9244, 12.7180



11.2406, 11.9244, 10.3977



10.3907, 11.9244, 13.2530



11.4274, 11.9244, 15.9663

Rectangle

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



12.3323, 11.9244, 12.7180



11.8951, 11.9244, 10.8157



10.3907, 11.9244, 13.2530



10.7904, 11.9244, 15.4235

Sweetspot

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



12.3326, 11.9249, 12.7183



24.8502, 25.5777, 27.7322



12.5951, 11.9853, 16.1176



5.7435, 5.8920, 6.3836



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.



12.3326, 11.9249, 12.7183



21.1731, 19.9698, 21.1228



12.6318, 12.7399, 12.1498



3.1208, 3.1252, 3.3665



7.5212, 3.8606, 1.1070



38.0772, 19.5728, 4.3432

Inverse Universe

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



12.3326, 11.9249, 12.7183



21.1731, 19.9698, 21.1228



12.2454, 13.3726, 16.4038



3.1208, 3.1252, 3.3665



7.5212, 3.8606, 1.1070



38.0772, 19.5728, 4.3432

Previews

White Background



This preview shows how the XYZ color 12.3323, 11.9244, 12.7180 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 12.3323, 11.9244, 12.7180 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

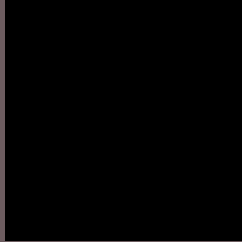
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 12.3323, 11.9244, 12.7180

Background



This preview shows how black text looks on a background with the XYZ color 12.3323, 11.9244, 12.7180.

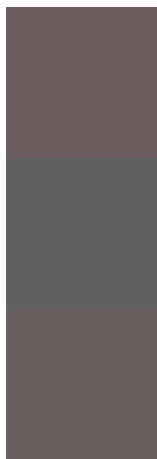


This preview shows how white text looks on a background with the XYZ color 12.3323, 11.9244,

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

12.3323, 11.9244, 12.7180

Protanopia

11.5163, 12.0279, 13.2699

Deuteranopia

12.1774, 11.9757, 12.7361



Tritanopia

12.4341, 11.8256, 13.6838

Trichromacy



Original Color

12.3323, 11.9244, 12.7180

Protanomaly

11.8200, 12.0536, 13.0129

Deuteranomaly

12.2984, 12.0381, 12.7417

Tritanomaly

12.3860, 11.8064, 13.4304

Monochromacy



Original Color

12.3323, 11.9244, 12.7180

Achromatopsia

11.6093, 12.2139, 13.3009

Achromatomaly

11.8200, 12.0536, 13.0129

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.3323, 11.9244, 12.7180 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, 93, 96) looks like.

```
.text, #text, p{  
    color:rgb(109, 93, 96)  
}
```

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, 93, 96) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 93, 96) }
```

Border

The CSS property to change the border of an element to XYZ 12.3323, 11.9244, 12.7180 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, 93, 96) }
```


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

```
.border{ border-color:rgb(109, 93, 96) }
```

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

Here you see how a box with a 4 pixel rgb(109, 93, 96) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(109, 93, 96); -webkit-box-  
shadow:4px 4px 4px 4px rgb(109, 93, 96);  
box-shadow:4px 4px 4px 4px rgb(109, 93,  
96) }
```

Background

The CSS property to change the background color of an element to XYZ 12.3323, 11.9244, 12.7180 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 93, 96) }
```

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

```
.background{ background-color: rgb(109, 93,  
96) }
```

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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