

Converting Colors

XYZ(12.9015, 11.3187, 12.7053)

Have a look what the booklet for
XYZ(12.9015, 11.3187, 12.7053)
contains.

XYZ(12.9567, 11.3702, 12.8210)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(12.9567, 11.3702,
12.8210)**

Conversions

Conversions Part 1

Format	Color
Hex	765661
RGB	118, 86, 97
RGB Percent	46%, 34%, 38%
CMY	0.5373, 0.6627, 0.6196
CMYK	0.00, 0.27, 0.18, 0.54
HSL	339°, 16%, 40%
HSV	339°, 27%, 46%
XYZ	12.9567, 11.3702, 12.8210
YIQ	96.8220, 15.5410, 10.2050

Conversions

Conversions Part 2

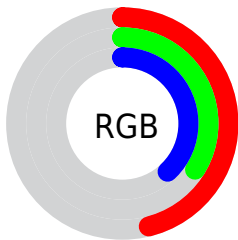
Format	Color
R_{YB}	118, 86, 97
Decimal	7755361
CIE _{Lab}	40.20, 15.10, -1.14
CIE _{LCh}	40, 15.143, 355.696
Yxy	11.3702, 0.3488, 0.3061
Android (android.graphics.Color)	4285945441 (0xFF765661)
YUV	96.8220, 0.0878, 18.5731
Hunter-Lab	33.7197, 9.5785, 1.0604

Details

The XYZ color **12.9567, 11.3702, 12.8210** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **12.9705, 15.9972, 16.3149**, and the grayscale version is **11.3160, 11.9053, 12.9649**.

A 20% lighter version of the original color is **30.9440, 28.4044, 31.8686**, and **3.8106, 3.0218, 3.5144** is the 20% darker color. If you saturate the color by 10%, you get **11.7476, 9.5019, 10.7225**, and if you desaturate by 10%, it is **14.3573, 13.5648, 15.1575**.

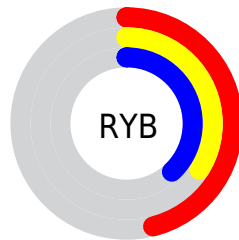
Distribution



Red (46%)

Green (34%)

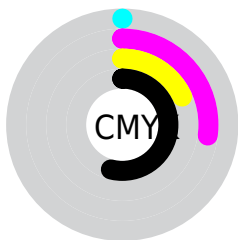
Blue (38%)



Red (46%)

Yellow (34%)

Blue (38%)

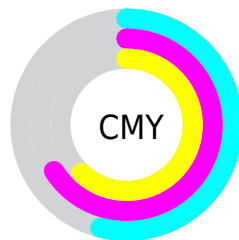


Cyan (0%)

Magenta (27%)

Yellow (18%)

Black (54%)



Cyan (54%)

Magenta (66%)

Yellow (62%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.9567, 11.3702, 12.8210 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 12.9567, 11.3702, 12.8210 by changing the saturation by 10% instead.

12.9567, 11.3702,
12.8210

12.9567, 11.3702,
12.8210

204.2832,
200.1900, 220.9347

7.4755, 6.3164,
7.1761

30.8279, 28.3427,
31.6683

3.8102, 3.0384,
3.4924

43.9487, 41.0303,
45.7078

1.5953, 1.1518,
1.3512

60.3468, 57.0312,
63.3826

0.3894, 0.0218,
0.1032

80.3874, 76.7298,
85.1112

0.0000, 0.0000,
0.0000

104.4360,
100.5106, 111.3121

132.8580,

128.7580, 142.4040

166.0186,
161.8564, 178.8053

■ 12.9567, 11.3702,
12.8210

■ 12.9567, 11.3702,
12.8210

■ 11.7476, 9.5019,
10.7225

■ 14.3573, 13.5648,
15.1575

■ 10.7204, 7.9426,
8.8536

■ 15.9565, 16.0988,
17.7388

■ 9.8661, 6.6760,
7.2061

■ 17.7621, 18.9863,
20.5723

■ 9.1744, 5.6833,
5.7712

■ 19.7815, 22.2403,
23.6647

■ 8.6341, 4.9439,
4.5394

■ 22.0214, 25.8731,
27.0227

■ 8.2323, 4.4339,
3.5003

■ 24.4884, 29.8964,
30.6524

■ 7.9404, 4.0983,
2.6379

■ 27.1887, 34.3214,
34.5600

■ 7.8639, 4.0086,
2.4167

■ 30.1283, 39.1589,
38.7513

■ 33.3130, 44.4193,
43.2321

Harmonies

Analogous

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



12.5692, 11.3702, 15.9482



12.9567, 11.3702, 12.8210



12.7382, 11.3702, 10.0301

Triad

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



12.9567, 11.3702, 12.8210



9.9518, 11.3702, 7.8517



9.7045, 11.3702, 17.8207

Complementary

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



12.9567, 11.3702, 12.8210



12.9705, 15.9972, 16.3149

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.



9.0816, 11.3702, 15.0714



12.9567, 11.3702, 12.8210



9.2178, 11.3702, 9.3885

Square

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



12.9567, 11.3702, 12.8210



10.9599, 11.3702, 7.4472



8.9093, 11.3702, 11.9497



10.6556, 11.3702, 19.1173

Rectangle

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



12.9567, 11.3702, 12.8210



12.2854, 11.3702, 8.6735



8.9093, 11.3702, 11.9497



9.4523, 11.3702, 17.0161

Sweetspot

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



12.9570, 11.3707, 12.8212



27.7347, 27.7947, 30.6778



12.6376, 11.0776, 18.6119



6.2921, 6.2560, 6.9181



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.



12.9570, 11.3707, 12.8212



21.3204, 17.7284, 20.0240



12.8754, 11.9720, 10.4369



3.7311, 3.7197, 4.1108



8.5019, 4.3345, 2.5855



41.0638, 20.9756, 10.6653

Inverse Universe

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



12.9570, 11.3707, 12.8212



21.3204, 17.7284, 20.0240



13.0357, 15.1418, 19.3754



3.7311, 3.7197, 4.1108



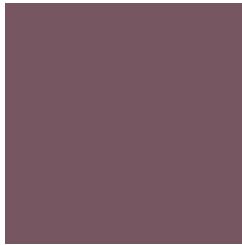
8.5019, 4.3345, 2.5855



41.0638, 20.9756, 10.6653

Previews

White Background



This preview shows how the XYZ color 12.9567, 11.3702, 12.8210 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 12.9567, 11.3702, 12.8210 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 12.9567, 11.3702, 12.8210

Background



This preview shows how black text looks on a background with the XYZ color 12.9567, 11.3702, 12.8210.



This preview shows how white text looks on a background with the XYZ color 12.9567, 11.3702,

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

12.9567, 11.3702, 12.8210

Protanopia

11.1203, 11.3976, 14.1842

Deuteranopia

11.6474, 11.4419, 12.6610



Tritanopia

12.8552, 11.4583, 11.8900

Trichromacy



Original Color

12.9567, 11.3702, 12.8210

Protanomaly

11.6349, 11.2858, 13.6218

Deuteranomaly

12.0742, 11.4081, 12.6319

Tritanomaly

12.8998, 11.4761, 12.1249

Monochromacy



Original Color

12.9567, 11.3702, 12.8210

Achromatopsia

11.3621, 11.9538, 13.0177

Achromatomaly

11.8977, 11.6950, 12.9395

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.9567, 11.3702, 12.8210 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(118, 86, 97) looks like.

```
.text, #text, p{  
    color:rgb(118, 86, 97)  
}
```

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(118, 86, 97) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 86, 97) }
```

Border

The CSS property to change the border of an element to XYZ 12.9567, 11.3702, 12.8210 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(118, 86, 97) }
```


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

```
.border{ border-color:rgb(118, 86, 97) }
```

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

Here you see how a box with a 4 pixel rgb(118, 86, 97) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 86, 97); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 86, 97);  
box-shadow:4px 4px 4px 4px rgb(118, 86,  
97) }
```

Background

The CSS property to change the background color of an element to XYZ 12.9567, 11.3702, 12.8210 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 86, 97) }
```

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

```
.background{ background-color: rgb(118, 86,  
97) }
```

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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