

Converting Colors

XYZ(12.7244, 11.4812, 13.3003)

Have a look what the booklet for
XYZ(12.7244, 11.4812, 13.3003)
contains.

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Color

**XYZ(12.6813, 11.4577,
13.3476)**

Conversions

Conversions Part 1

Format	Color
Hex	725863
RGB	114, 88, 99
RGB Percent	45%, 35%, 39%
CMY	0.5529, 0.6549, 0.6118
CMYK	0.00, 0.23, 0.13, 0.55
HSL	335°, 13%, 40%
HSV	335°, 23%, 45%
XYZ	12.6813, 11.4577, 13.3476
YIQ	97.0280, 11.9650, 8.9330

Conversions

Conversions Part 2

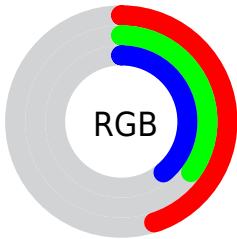
Format	Color
R_{YB}	114, 88, 99
Decimal	7493731
CIE _{Lab}	40.34, 12.64, -2.21
CIE _{LCh}	40, 12.836, 350.073
Yxy	11.4577, 0.3383, 0.3056
Android (android.graphics.Color)	4285683811 (0xFF725863)
YUV	97.0280, 0.9722, 14.8844
Hunter-Lab	33.8492, 7.6372, 0.3149

Details

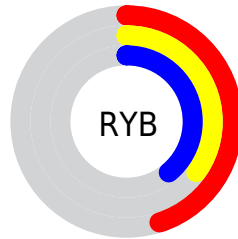
The XYZ color **12.6813, 11.4577, 13.3476** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **12.4905, 15.0889, 15.0868**, and the grayscale version is **11.3650, 11.9569, 13.0211**.

A 20% lighter version of the original color is **30.3194, 28.4860, 32.7545**, and **3.7173, 3.0712, 3.7650** is the 20% darker color. If you saturate the color by 10%, you get **11.5160, 9.6099, 11.4705**, and if you desaturate by 10%, it is **14.0192, 13.6095, 15.4090**.

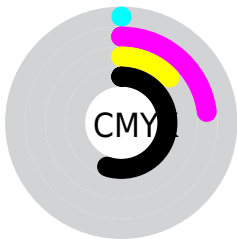
Distribution



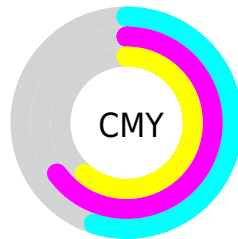
- Red (45%)
- Green (35%)
- Blue (39%)



- Red (45%)
- Yellow (35%)
- Blue (39%)



- Cyan (0%)
- Magenta (23%)
- Yellow (13%)
- Black (55%)



- Cyan (55%)
- Magenta (65%)
- Yellow (61%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.6813, 11.4577, 13.3476 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 12.6813, 11.4577, 13.3476 by changing the saturation by 10% instead.

■ 12.6813, 11.4577,
13.3476

■ 12.6813, 11.4577,
13.3476

202.5441,
200.7813, 224.4190

■ 7.2849, 6.3756,
7.5348

■ 30.3362, 28.5035,
32.6272

■ 3.6888, 3.0748,
3.7153

■ 43.3255, 41.2359,
46.9310

■ 1.5277, 1.1709,
1.4705

■ 59.5765, 57.2873,
64.9023

■ 0.3445, 0.0377,
0.1958

■ 79.4545, 77.0419,
86.9595

■ 0.0000, 0.0000,
0.0000

■ 103.3249,
100.8842, 113.5213

131.5531,

129.1986, 145.0061

164.5044,
162.3695, 181.8325

■ 12.6813, 11.4577,
13.3476

■ 12.6813, 11.4577,
13.3476

■ 11.5160, 9.6099,
11.4705

■ 14.0192, 13.6095,
15.4090

■ 10.5150, 8.0508,
9.7713

■ 15.5358, 16.0767,
17.6590

■ 9.6706, 6.7659,
8.2447

■ 17.2377, 18.8719,
20.1029

■ 8.9742, 5.7390,
6.8845

■ 19.1314, 22.0067,
22.7456

■ 8.4163, 4.9522,
5.6841

■ 21.2226, 25.4921,
25.5915

■ 7.9861, 4.3852,
4.6365

■ 23.5170, 29.3384,
28.6452

■ 7.6702, 4.0122,
3.7334

■ 26.0200, 33.5557,
31.9109

■ 7.4777, 3.7927,
3.1588

■ 28.7368, 38.1537,
35.3927

■ 31.6725, 43.1417,
39.0949

Harmonies

Analogous

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



12.2689, 11.4577, 15.9264



12.6813, 11.4577, 13.3476



12.5940, 11.4577, 10.8539

Triad

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



12.6813, 11.4577, 13.3476



10.3082, 11.4577, 8.3830



9.8191, 11.4577, 16.6654

Complementary

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



12.6813, 11.4577, 13.3476



12.4905, 15.0889, 15.0868

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.



9.3474, 11.4577, 14.2511



12.6813, 11.4577, 13.3476



9.6189, 11.4577, 9.5630

Square

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



12.6813, 11.4577, 13.3476



11.1906, 11.4577, 8.2105



9.2762, 11.4577, 11.6422



10.5952, 11.4577, 18.0086

Rectangle

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



12.6813, 11.4577, 13.3476



12.2658, 11.4577, 9.5548



9.2762, 11.4577, 11.6422



9.6215, 11.4577, 15.9378

Sweetspot

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



12.6816, 11.4582, 13.3478



26.0953, 26.2846, 29.2604



12.0904, 11.0627, 17.4179



6.0119, 6.0412, 6.7328



55.7959, 58.7016, 63.9261



6.5000, 6.8385, 7.4471

Same Dimension

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



12.6816, 11.4582, 13.3478



21.2465, 18.4818, 21.8028



12.3350, 11.5499, 10.8124



3.4376, 3.4228, 3.8312



8.3159, 4.2187, 3.4735



41.0126, 20.8503, 15.1302

Inverse Universe

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



12.6816, 11.4582, 13.3478



21.2465, 18.4818, 21.8028



12.8858, 14.9372, 18.1238



3.4376, 3.4228, 3.8312



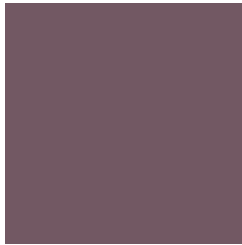
8.3159, 4.2187, 3.4735



41.0126, 20.8503, 15.1302

Previews

White Background



This preview shows how the XYZ color 12.6813, 11.4577, 13.3476 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 12.6813, 11.4577, 13.3476 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 12.6813, 11.4577, 13.3476

Background



This preview shows how black text looks on a background with the XYZ color 12.6813, 11.4577, 13.3476.



This preview shows how white text looks on a background with the XYZ color 12.6813, 11.4577,

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

12.6813, 11.4577, 13.3476

Protanopia

11.2597, 11.5966, 14.4769

Deuteranopia

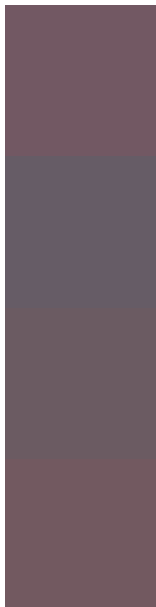
11.6253, 11.4197, 13.1468



Tritanopia

12.5774, 11.5484, 12.3926

Trichromacy



Original Color

12.6813, 11.4577, 13.3476

Protanomaly

11.7049, 11.4384, 14.1613

Deuteranomaly

12.0091, 11.4898, 13.1401

Tritanomaly

12.6231, 11.5667, 12.6336

Monochromacy



Original Color

12.6813, 11.4577, 13.3476

Achromatopsia

11.3621, 11.9538, 13.0177

Achromatomaly

11.8008, 11.7708, 13.2053

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.6813, 11.4577, 13.3476 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(114, 88, 99) looks like.

```
.text, #text, p{  
    color:rgb(114, 88, 99)  
}
```

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(114, 88, 99) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(114, 88, 99) }
```

Border

The CSS property to change the border of an element to XYZ 12.6813, 11.4577, 13.3476 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(114, 88, 99) }
```


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

```
.border{ border-color:rgb(114, 88, 99) }
```

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

Here you see how a box with a 4 pixel `rgb(114, 88, 99)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(114, 88, 99); -webkit-box-  
shadow:4px 4px 4px 4px rgb(114, 88, 99);  
box-shadow:4px 4px 4px 4px rgb(114, 88,  
99) }
```

Background

The CSS property to change the background color of an element to XYZ 12.6813, 11.4577, 13.3476 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(114, 88, 99) }
```

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

```
.background{ background-color: rgb(114, 88,  
99) }
```

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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