

Converting Colors

XYZ(12.8020, 12.0300, 14.6307)

Have a look what the booklet for
XYZ(12.8020, 12.0300, 14.6307)
contains.

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Color

**XYZ(12.7562, 11.9688,
14.7346)**

Conversions

Conversions Part 1

Format	Color
Hex	6E5C68
RGB	110, 92, 104
RGB Percent	43%, 36%, 41%
CMY	0.5686, 0.6392, 0.5922
CMYK	0.00, 0.16, 0.05, 0.57
HSL	320°, 9%, 40%
HSV	320°, 16%, 43%
XYZ	12.7562, 11.9688, 14.7346
YIQ	98.7500, 6.8760, 7.5480

Conversions

Conversions Part 2

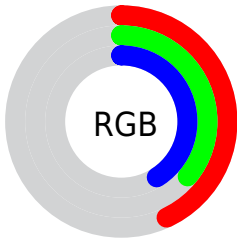
Format	Color
R _Y B	110, 92, 104
Decimal	7232616
CIE Lab	41.17, 9.59, -4.12
CIE LCh	41, 10.434, 336.756
Yxy	11.9688, 0.3233, 0.3033
Android (android.graphics.Color)	4285422696 (0xFF6E5C68)
YUV	98.7500, 2.5882, 9.8663
Hunter-Lab	34.5960, 5.2735, -1.0348

Details

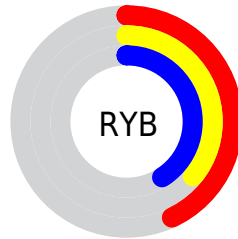
The XYZ color **12.7562, 11.9688, 14.7346** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **12.1946, 14.3092, 13.6751**, and the grayscale version is **11.7897, 12.4036, 13.5076**.

A 20% lighter version of the original color is **30.4897, 29.3939, 35.0770**, and **3.7021, 3.2735, 4.3076** is the 20% darker color. If you saturate the color by 10%, you get **11.6895, 10.1269, 13.4801**, and if you desaturate by 10%, it is **13.9701, 14.0918, 16.0785**.

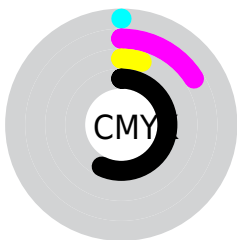
Distribution



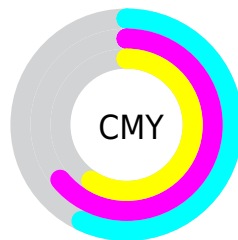
- Red (43%)
- Green (36%)
- Blue (41%)



- Red (43%)
- Yellow (36%)
- Blue (41%)



- Cyan (0%)
- Magenta (16%)
- Yellow (5%)
- Black (57%)



- Cyan (57%)
- Magenta (64%)
- Yellow (59%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.7562, 11.9688, 14.7346 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 12.7562, 11.9688, 14.7346 by changing the saturation by 10% instead.

■ 12.7562, 11.9688,
14.7346

■ 12.7562, 11.9688,
14.7346

203.0186,
204.1986, 233.3393

■ 7.3367, 6.7224,
8.4888

■ 30.4701, 29.4383,
35.1226

■ 3.7218, 3.2891,
4.3170

■ 43.4953, 42.4302,
50.1019

■ 1.5460, 1.2845,
1.8008

■ 59.7864, 58.7727,
68.8294

■ 0.3568, 0.1291,
0.4285

■ 79.7088, 78.8502,
91.7237

■ 0.0000, 0.0000,
0.0000

103.6279,
103.0472, 119.2033

131.9090,

131.7480, 151.6867

164.9174,
165.3370, 189.5926

■ 12.7562, 11.9688,
14.7346

■ 12.7562, 11.9688,
14.7346

■ 11.6895, 10.1269,
13.4801

■ 13.9701, 14.0918,
16.0785

■ 10.7629, 8.5526,
12.3116

■ 15.3358, 16.5054,
17.5132

■ 9.9703, 7.2336,
11.2267

■ 16.8590, 19.2209,
19.0415

■ 9.3047, 6.1560,
10.2226

■ 18.5449, 22.2481,
20.6654

■ 8.7584, 5.3048,
9.2961

■ 20.3983, 25.5969,
22.3870

8.3228, 4.6631,
8.4440

22.4238, 29.2762,
24.2083

7.9884, 4.2116,
7.6623

24.6260, 33.2949,
26.1313

7.7324, 3.9053,
6.9430

27.0092, 37.6615,
28.1579

7.6440, 3.8004,
6.6917

29.5774, 42.3842,
30.2899

Harmonies

Analogous

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



12.2629, 11.9688, 16.6373



12.7562, 11.9688, 14.7346



12.8723, 11.9688, 12.5511

Triad

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



12.7562, 11.9688, 14.7346



11.2068, 11.9688, 9.3388



10.2570, 11.9688, 15.6689

Complementary

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



12.7562, 11.9688, 14.7346



12.1946, 14.3092, 13.6751

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.



10.0003, 11.9688, 13.5250



12.7562, 11.9688, 14.7346



10.5329, 11.9688, 9.9892

Square

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



12.7562, 11.9688, 14.7346



11.9559, 11.9688, 9.5870



10.0991, 11.9688, 11.4659



10.8151, 11.9688, 17.2168

Rectangle

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



12.7562, 11.9688, 14.7346



12.7158, 11.9688, 11.2561



10.0991, 11.9688, 11.4659



10.1337, 11.9688, 14.9855

Sweetspot

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



12.7565, 11.9693, 14.7349



24.8141, 25.2404, 28.5376



11.6791, 11.3774, 16.3323



5.7466, 5.8247, 6.6111



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.



12.7565, 11.9693, 14.7349



21.5905, 19.6118, 24.9392



12.3235, 11.7961, 12.4545



3.4694, 3.4355, 3.9987



9.1691, 4.5600, 7.9665



45.2633, 22.5507, 37.5145

Inverse Universe

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



12.7565, 11.9693, 14.7349



21.5905, 19.6118, 24.9392



12.6437, 14.4889, 16.0403



3.4694, 3.4355, 3.9987



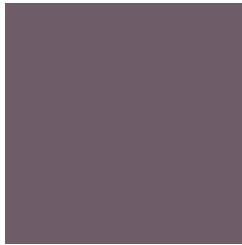
9.1691, 4.5600, 7.9665



45.2633, 22.5507, 37.5145

Previews

White Background



This preview shows how the XYZ color 12.7562, 11.9688, 14.7346 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 12.7562, 11.9688, 14.7346 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

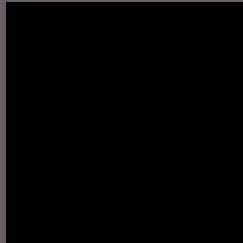
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 12.7562, 11.9688, 14.7346

Background



This preview shows how black text looks on a background with the XYZ color 12.7562, 11.9688, 14.7346.



This preview shows how white text looks on a background with the XYZ color 12.7562, 11.9688,

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

12.7562, 11.9688, 14.7346

Protanopia

11.7524, 12.0977, 15.6256

Deuteranopia

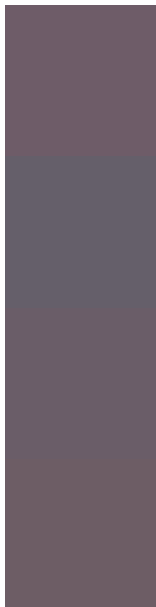
12.2103, 11.9479, 14.7593



Tritanopia

12.5213, 12.0000, 13.7129

Trichromacy



Original Color

12.7562, 11.9688, 14.7346

Protanomaly

12.0606, 11.9917, 15.3146

Deuteranomaly

12.3569, 11.8923, 14.7409

Tritanomaly

12.5700, 12.0195, 13.9694

Monochromacy



Original Color

12.7562, 11.9688, 14.7346

Achromatopsia

11.8596, 12.4772, 13.5877

Achromatomaly

12.1254, 12.1889, 14.0255

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.7562, 11.9688, 14.7346 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(110, 92, 104)` looks like.

```
.text, #text, p{  
    color:rgb(110, 92, 104)  
}
```

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(110, 92, 104) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(110, 92, 104) }
```

Border

The CSS property to change the border of an element to XYZ 12.7562, 11.9688, 14.7346 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(110, 92, 104) }
```


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

```
.border{ border-color:rgb(110, 92, 104) }
```

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

Here you see how a box with a 4 pixel rgb(110, 92, 104) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(110, 92, 104); -webkit-box-  
shadow:4px 4px 4px 4px rgb(110, 92, 104);  
box-shadow:4px 4px 4px 4px rgb(110, 92,  
104) }
```

Background

The CSS property to change the background color of an element to XYZ 12.7562, 11.9688, 14.7346 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(110, 92, 104) }
```

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

```
.background{ background-color: rgb(110, 92,  
104) }
```

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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