

Converting Colors

XYZ(12.9302, 12.7651, 14.7818)

Have a look what the booklet for
XYZ(12.9302, 12.7651, 14.7818)
contains.

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Color

**XYZ(12.9577, 12.7370,
14.8722)**

Conversions

Conversions Part 1

Format	Color
Hex	6C6168
RGB	108, 97, 104
RGB Percent	42%, 38%, 41%
CMY	0.5765, 0.6196, 0.5922
CMYK	0.00, 0.10, 0.04, 0.58
HSL	322°, 5%, 40%
HSV	322°, 10%, 42%
XYZ	12.9577, 12.7370, 14.8722
YIQ	101.0870, 4.3090, 4.5090

Conversions

Conversions Part 2

Format	Color
R_{YB}	108, 97, 104
Decimal	7102824
CIE Lab	42.36, 5.77, -2.37
CIE LCh	42, 6.234, 337.642
Yxy	12.7370, 0.3194, 0.3140
Android (android.graphics.Color)	4285292904 (0xFF6C6168)
YUV	101.0870, 1.4361, 6.0627
Hunter-Lab	35.6889, 2.3530, 0.2751

Details

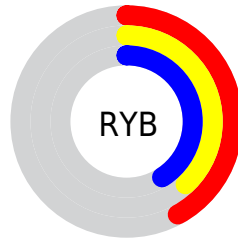
The XYZ color **12.9577, 12.7370, 14.8722** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **12.6418, 14.2064, 14.3884**, and the grayscale version is **12.3880, 13.0332, 14.1931**.

A 20% lighter version of the original color is **30.8044, 30.9173, 35.3544**, and **3.8468, 3.6552, 4.3737** is the 20% darker color. If you saturate the color by 10%, you get **11.8322, 10.7977, 13.5355**, and if you desaturate by 10%, it is **14.2292, 14.9529, 16.3037**.

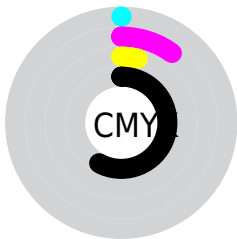
Distribution



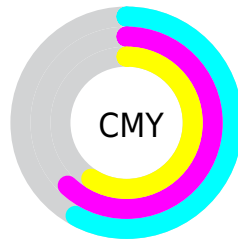
- Red (42%)
- Green (38%)
- Blue (41%)



- Red (42%)
- Yellow (38%)
- Blue (41%)



- Cyan (0%)
- Magenta (10%)
- Yellow (4%)
- Black (58%)



- Cyan (58%)
- Magenta (62%)
- Yellow (59%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.9577, 12.7370, 14.8722 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 12.9577, 12.7370, 14.8722 by changing the saturation by 10% instead.

■ 12.9577, 12.7370,
14.8722

■ 12.9577, 12.7370,
14.8722

204.2895,
209.2252, 234.2054

■ 7.4762, 7.2477,
8.5841

■ 30.8297, 30.8305,
35.3680

■ 3.8106, 3.6175,
4.3778

■ 43.9510, 44.2034,
50.4127

■ 1.5956, 1.4620,
1.8348

■ 60.3496, 60.9731,
69.2134

■ 0.3895, 0.2617,
0.4508

■ 80.3908, 81.5238,
92.1886

■ 0.0000, 0.0000,
0.0000

104.4401,
106.2400, 119.7569

132.8627,

135.5060, 152.3368

166.0240,
169.7063, 190.3468

■ 12.9577, 12.7370,
14.8722

■ 12.9577, 12.7370,
14.8722

■ 11.8322, 10.7977,
13.5355

■ 14.2292, 14.9529,
16.3037

■ 10.8459, 9.1223,
12.2904

■ 15.6507, 17.4541,
17.8315

■ 9.9932, 7.6998,
11.1344

■ 17.2277, 20.2510,
19.4582

■ 9.2678, 6.5175,
10.0648

■ 18.9649, 23.3528,
21.1860

■ 8.6628, 5.5619,
9.0786

■ 20.8669, 26.7685,
23.0169

8.1704, 4.8177,
8.1727

22.9380, 30.5067,
24.9530

7.7821, 4.2683,
7.3434

25.1825, 34.5755,
26.9962

7.4881, 3.8939,
6.5868

27.6043, 38.9830,
29.1484

7.2499, 3.6144,
5.9003

30.2075, 43.7367,
31.4115

Harmonies

Analogous

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



12.6641, 12.7370, 16.0112



12.9577, 12.7370, 14.8722



13.0202, 12.7370, 13.5285

Triad

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



12.9577, 12.7370, 14.8722



11.9868, 12.7370, 11.4674



11.4074, 12.7370, 15.5029

Complementary

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



12.9577, 12.7370, 14.8722



12.6418, 14.2064, 14.3884

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.



11.2359, 12.7370, 14.2140



12.9577, 12.7370, 14.8722



11.5648, 12.7370, 11.9259

Square

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



12.9577, 12.7370, 14.8722



12.4517, 12.7370, 11.6186



11.2927, 12.7370, 12.9109



11.7670, 12.7370, 16.3914

Rectangle

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



12.9577, 12.7370, 14.8722



12.9210, 12.7370, 12.7066



11.2927, 12.7370, 12.9109



11.3262, 12.7370, 15.0990

Sweetspot

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



12.9581, 12.7376, 14.8725



24.3073, 25.0734, 27.8774



12.3320, 12.3908, 15.9292



5.8451, 6.0019, 6.7047



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.



12.9581, 12.7376, 14.8725



22.3046, 21.5924, 25.5936



12.6949, 12.6323, 13.4866



3.1731, 3.1461, 3.6421



8.6341, 4.3058, 6.9677



43.5673, 21.7689, 33.2536

Inverse Universe

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



12.9581, 12.7376, 14.8725



22.3046, 21.5924, 25.5936



12.9125, 14.3147, 15.8140



3.1731, 3.1461, 3.6421



8.6341, 4.3058, 6.9677



43.5673, 21.7689, 33.2536

Previews

White Background



This preview shows how the XYZ color 12.9577, 12.7370, 14.8722 looks on a white background.

Color Contrast Check

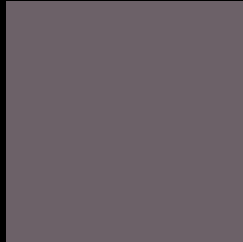
Large Text (above 18pt) WCAG AA ✓ Pass

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 12.9577, 12.7370, 14.8722 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

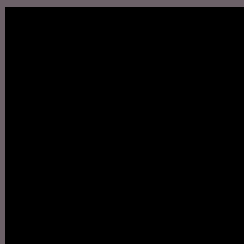
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 12.9577, 12.7370, 14.8722

Background



This preview shows how black text looks on a background with the XYZ color 12.9577, 12.7370, 14.8722.



This preview shows how white text looks on a background with the XYZ color 12.9577, 12.7370,

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

12.9577, 12.7370, 14.8722

Protanopia

12.2672, 12.6529, 15.1603

Deuteranopia

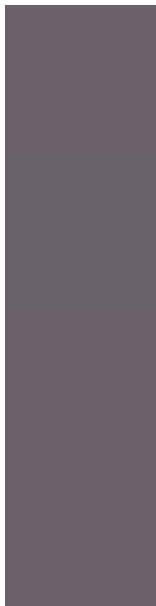
12.9577, 12.7370, 14.8722



Tritanopia

13.0088, 12.7575, 15.1414

Trichromacy



Original Color

12.9577, 12.7370, 14.8722

Protanomaly

12.5110, 12.6389, 15.1447

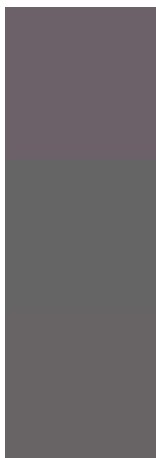
Deuteranomaly

12.9577, 12.7370, 14.8722

Tritanomaly

13.0088, 12.7575, 15.1414

Monochromacy



Original Color

12.9577, 12.7370, 14.8722

Achromatopsia

12.3695, 13.0136, 14.1719

Achromatomaly

12.6644, 13.0167, 14.4154

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.9577, 12.7370, 14.8722 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(108, 97, 104) looks like.

```
.text, #text, p{  
    color:rgb(108, 97, 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(108, 97, 104) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(108, 97, 104) }
```

Border

The CSS property to change the border of an element to XYZ 12.9577, 12.7370, 14.8722 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(108, 97, 104) }
```


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

```
.border{ border-color:rgb(108, 97, 104) }
```

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

Here you see how a box with a 4 pixel `rgb(108, 97, 104)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(108, 97, 104); -webkit-box-  
shadow:4px 4px 4px 4px rgb(108, 97, 104);  
box-shadow:4px 4px 4px 4px rgb(108, 97,  
104) }
```

Background

The CSS property to change the background color of an element to XYZ 12.9577, 12.7370, 14.8722 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(108, 97, 104) }
```

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

```
.background{ background-color: rgb(108, 97,  
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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