

Converting Colors

XYZ(12.7948, 12.6330, 13.9224)

Have a look what the booklet for
XYZ(12.7948, 12.6330, 13.9224)
contains.

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Color

**XYZ(12.7593, 12.6576,
13.8273)**

Conversions

Conversions Part 1

Format	Color
Hex	6C6164
RGB	108, 97, 100
RGB Percent	42%, 38%, 39%
CMY	0.5765, 0.6196, 0.6078
CMYK	0.00, 0.10, 0.07, 0.58
HSL	344°, 5%, 40%
HSV	344°, 10%, 42%
XYZ	12.7593, 12.6576, 13.8273
YIQ	100.6310, 5.5930, 3.2650

Conversions

Conversions Part 2

Format	Color
R_{YB}	108, 97, 100
Decimal	7102820
CIE Lab	42.24, 4.97, -0.11
CIE LCh	42, 4.970, 358.732
Yxy	12.6576, 0.3251, 0.3225
Android (android.graphics.Color)	4285292900 (0xFF6C6164)
YUV	100.6310, -0.3111, 6.4626
Hunter-Lab	35.5775, 1.7555, 1.8610

Details

The XYZ color **12.7593, 12.6576, 13.8273** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **12.8426, 14.2868, 15.4460**, and the grayscale version is **12.2747, 12.9139, 14.0632**.

A 20% lighter version of the original color is **30.4739, 30.7851, 33.6141**, and **3.7509, 3.6168, 3.8686** is the 20% darker color. If you saturate the color by 10%, you get **11.4665, 10.6514, 11.6101**, and if you desaturate by 10%, it is **14.2254, 14.9514, 16.2835**.

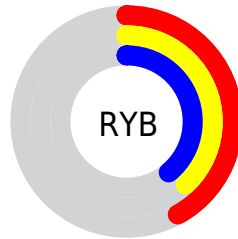
Distribution



Red (42%)

Green (38%)

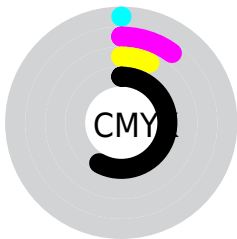
Blue (39%)



Red (42%)

Yellow (38%)

Blue (39%)

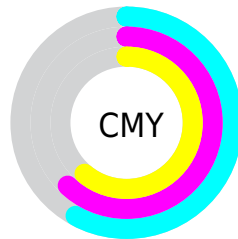


Cyan (0%)

Magenta (10%)

Yellow (7%)

Black (58%)



Cyan (58%)

Magenta (62%)

Yellow (61%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.7593, 12.6576, 13.8273 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 12.7593, 12.6576, 13.8273 by changing the saturation by 10% instead.

■ 12.7593, 12.6576,
13.8273

■ 12.7593, 12.6576,
13.8273

203.0382,
208.7115, 227.5447

■ 7.3389, 7.1932,
7.8633

■ 30.4757, 30.6873,
33.4950

■ 3.7231, 3.5832,
3.9211

■ 43.5023, 44.0213,
48.0357

■ 1.5467, 1.4433,
1.5821

■ 59.7951, 60.7474,
66.2724

■ 0.3573, 0.2483,
0.2780

■ 79.7194, 81.2498,
88.6237

■ 0.0000, 0.0000,
0.0000

103.6404,
105.9130, 115.5080

131.9237,

135.1215, 147.3439

164.9345,
169.2595, 184.5500

■ 12.7593, 12.6576,
13.8273

■ 12.7593, 12.6576,
13.8273

■ 11.4665, 10.6514,
11.6101

■ 14.2254, 14.9514,
16.2835

■ 10.3395, 8.9197,
9.6238

■ 15.8697, 17.5417,
18.9849

■ 9.3716, 7.4511,
7.8611

■ 17.6987, 20.4393,
21.9382

■ 8.5555, 6.2326,
6.3139

■ 19.7177, 23.6539,
25.1501

■ 7.8832, 5.2500,
4.9736

■ 21.9322, 27.1946,
28.6265

■ 7.3459, 4.4879,
3.8312

■ 24.3472, 31.0703,
32.3734

■ 6.9339, 3.9290,
2.8766

■ 26.9676, 35.2896,
36.3966

■ 6.6360, 3.5531,
2.0991

■ 29.7983, 39.8606,
40.7017

■ 6.4117, 3.2791,
1.4864

■ 32.8438, 44.7912,
45.2941

Harmonies

Analogous

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



12.6518, 12.6576, 14.8717



12.7593, 12.6576, 13.8273



12.6682, 12.6576, 12.8214

Triad

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



12.7593, 12.6576, 13.8273



11.6904, 12.6576, 12.0642



11.6636, 12.6576, 15.6063

Complementary

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



12.7593, 12.6576, 13.8273



12.8426, 14.2868, 15.4460

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.



11.4149, 12.6576, 14.7893



12.7593, 12.6576, 13.8273



11.4302, 12.6576, 12.7468

Square

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



12.7593, 12.6576, 13.8273



12.0465, 12.6576, 11.8356



11.3303, 12.6576, 13.7367



12.0149, 12.6576, 15.9309

Rectangle

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



12.7593, 12.6576, 13.8273



12.5082, 12.6576, 12.3003



11.3303, 12.6576, 13.7367



11.5655, 12.6576, 15.3781

Sweetspot

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



12.7597, 12.6582, 13.8276



24.1965, 25.0291, 27.2941



12.7939, 12.6288, 15.9509



5.8124, 5.9888, 6.5325



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.



12.7597, 12.6582, 13.8276



21.8894, 21.4263, 23.4069



12.8407, 13.0482, 13.1516



3.1305, 3.1291, 3.4177



7.6369, 3.9069, 1.7166



38.5917, 19.7786, 7.0527

Inverse Universe

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



12.7597, 12.6582, 13.8276



21.8894, 21.4263, 23.4069



12.7516, 13.8537, 16.1896



3.1305, 3.1291, 3.4177



7.6369, 3.9069, 1.7166



38.5917, 19.7786, 7.0527

Previews

White Background



This preview shows how the XYZ color 12.7593, 12.6576, 13.8273 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 12.7593, 12.6576, 13.8273 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 12.7593, 12.6576, 13.8273

Background



This preview shows how black text looks on a background with the XYZ color 12.7593, 12.6576, 13.8273.



This preview shows how white text looks on a background with the XYZ color 12.7593, 12.6576,

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

12.7593, 12.6576, 13.8273

Protanopia

12.1776, 12.6300, 14.1079

Deuteranopia

12.8816, 12.7207, 13.8330



Tritanopia

12.9882, 12.6164, 14.8474

Trichromacy



Original Color

12.7593, 12.6576, 13.8273

Protanomaly

12.4256, 12.6180, 14.0925

Deuteranomaly

12.8816, 12.7207, 13.8330

Tritanomaly

12.9377, 12.5962, 14.5814

Monochromacy



Original Color

12.7593, 12.6576, 13.8273

Achromatopsia

12.3695, 13.0136, 14.1719

Achromatomaly

12.6151, 12.9970, 14.1557

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.7593, 12.6576, 13.8273 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, 100)` looks like.

```
.text, #text, p{  
    color:rgb(108, 97, 100)  
}
```

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, 100) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(108, 97, 100) }
```

Border

The CSS property to change the border of an element to XYZ 12.7593, 12.6576, 13.8273 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, 100) }
```


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

```
.border{ border-color:rgb(108, 97, 100) }
```

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, 100) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(108, 97, 100); -webkit-box-  
shadow:4px 4px 4px 4px rgb(108, 97, 100);  
box-shadow:4px 4px 4px 4px rgb(108, 97,  
100) }
```

Background

The CSS property to change the background color of an element to XYZ 12.7593, 12.6576, 13.8273 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, 100) }
```

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

```
.background{ background-color: rgb(108, 97,  
100) }
```

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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