

Converting Colors

XYZ(12.2333, 11.9575, 11.9764)

Have a look what the booklet for
XYZ(12.2333, 11.9575, 11.9764)
contains.

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Color

**XYZ(12.2852, 12.0469,
12.0337)**

Conversions

Conversions Part 1

Format	Color
Hex	6D5E5D
RGB	109, 94, 93
RGB Percent	43%, 37%, 36%
CMY	0.5725, 0.6314, 0.6353
CMYK	0.00, 0.14, 0.15, 0.57
HSL	4°, 8%, 40%
HSV	4°, 15%, 43%
XYZ	12.2852, 12.0469, 12.0337
YIQ	98.3710, 9.2610, 2.8690

Conversions

Conversions Part 2

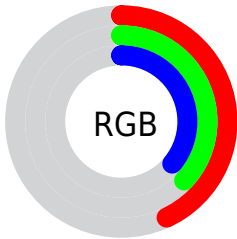
Format	Color
R_{YB}	109, 94, 93
Decimal	7167581
CIE Lab	41.29, 5.86, 2.80
CIE LCh	41, 6.496, 25.513
Yxy	12.0469, 0.3378, 0.3313
Android (android.graphics.Color)	4285357661 (0xFF6D5E5D)
YUV	98.3710, -2.6479, 9.3216
Hunter-Lab	34.7086, 2.4403, 3.7398

Details

The XYZ color **12.2852, 12.0469, 12.0337** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **12.6371, 14.1563, 16.5347**, and the grayscale version is **11.7070, 12.3167, 13.4128**.

A 20% lighter version of the original color is **29.6291, 29.5068, 30.1204**, and **3.4945, 3.3112, 3.1443** is the 20% darker color. If you saturate the color by 10%, you get **10.9873, 10.1693, 9.3865**, and if you desaturate by 10%, it is **13.7730, 14.1937, 15.0840**.

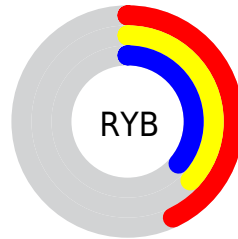
Distribution



Red (43%)

Green (37%)

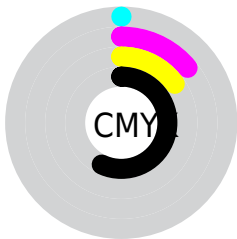
Blue (36%)



Red (43%)

Yellow (37%)

Blue (36%)

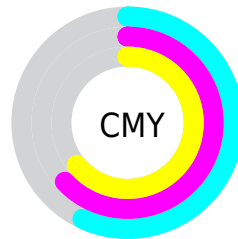


Cyan (0%)

Magenta (14%)

Yellow (15%)

Black (57%)



Cyan (57%)

Magenta (63%)

Yellow (64%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.2852, 12.0469, 12.0337 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 12.2852, 12.0469, 12.0337 by changing the saturation by 10% instead.

■ 12.2852, 12.0469,
12.0337

■ 12.2852, 12.0469,
12.0337

200.0159,
204.7155, 215.6141

■ 7.0118, 6.7756,
6.6438

■ 29.6259, 29.5805,
30.2218

■ 3.5159, 3.3222,
3.1653

■ 42.4238, 42.6116,
43.8571

■ 1.4321, 1.3022,
1.1797

■ 58.4607, 58.9981,
61.0779

■ 0.2789, 0.1429,
0.0000

■ 78.1018, 79.1244,
82.3028

■ 0.0000, 0.0000,
0.0000

101.7125,
103.3749, 107.9503

129.6582,

132.1340, 138.4390

162.3042,
165.7861, 174.1874

■ 12.2852, 12.0469,
12.0337

■ 12.2852, 12.0469,
12.0337

■ 10.9873, 10.1693,
9.3865

■ 13.7730, 14.1937,
15.0840

■ 9.8706, 8.5487,
7.1249

■ 15.4567, 16.6181,
18.5526

■ 8.9273, 7.1745,
5.2310

■ 17.3435, 19.3301,
22.4546

■ 8.1488, 6.0347,
3.6855

■ 19.4399, 22.3386,
26.8043

■ 7.5255, 5.1160,
2.4672

■ 21.7520, 25.6522,
31.6153

■ 7.0471, 4.4041,
1.5523

■ 24.2857, 29.2793,
36.9006

■ 6.7018, 3.8831,
0.9144

■ 27.0468, 33.2277,
42.6727

■ 6.4732, 3.5333,
0.5074

■ 30.0407, 37.5051,
48.9436

■ 6.3809, 3.3994,
0.3198

■ 33.2728, 42.1190,
55.7250

Harmonies

Analogous

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



12.3749, 12.0469, 13.3205



12.2852, 12.0469, 12.0337



11.9695, 12.0469, 11.0976

Triad

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



12.2852, 12.0469, 12.0337



10.7215, 12.0469, 11.7057



11.3797, 12.0469, 15.8697

Complementary

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



12.2852, 12.0469, 12.0337



12.6371, 14.1563, 16.5347

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.



10.9462, 12.0469, 15.3677



12.2852, 12.0469, 12.0337



10.5728, 12.0469, 12.9156

Square

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



12.2852, 12.0469, 12.0337



11.0654, 12.0469, 10.9174



10.6540, 12.0469, 14.2635



11.8438, 12.0469, 15.5938

Rectangle

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



12.2852, 12.0469, 12.0337



11.6777, 12.0469, 10.7677



10.6540, 12.0469, 14.2635



11.2257, 12.0469, 15.7854

Sweetspot

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



12.2855, 12.0474, 12.0340



24.8239, 25.6488, 27.3424



12.9387, 12.1671, 15.9101



5.7365, 5.9108, 6.2802



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.



12.2855, 12.0474, 12.0340



21.0714, 20.2320, 19.6538



13.0144, 13.5052, 12.2769



3.1136, 3.1444, 3.2603



7.4562, 3.9621, 0.3718



37.7619, 19.7275, 1.8175

Inverse Universe

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



12.6371, 14.1563, 16.5347



21.8448, 24.8717, 29.5566



11.8511, 12.5843, 16.2727



3.1664, 3.4611, 3.9360



8.7998, 12.4338, 18.8584



44.6015, 62.8816, 96.0128

Previews

White Background



This preview shows how the XYZ color 12.2852, 12.0469, 12.0337 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 12.2852, 12.0469, 12.0337 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 12.2852, 12.0469, 12.0337

Background



This preview shows how black text looks on a background with the XYZ color 12.2852, 12.0469, 12.0337.



This preview shows how white text looks on a background with the XYZ color 12.2852, 12.0469,

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

12.2852, 12.0469, 12.0337

Protanopia

11.5958, 12.0849, 12.5479

Deuteranopia

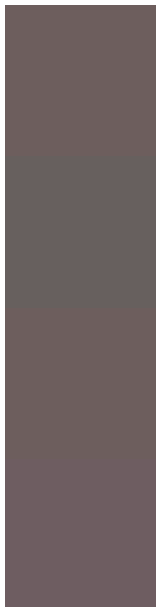
12.2852, 12.0469, 12.0337



Tritanopia

12.6450, 12.0638, 13.7187

Trichromacy



Original Color

12.2852, 12.0469, 12.0337

Protanomaly

11.7968, 12.0575, 12.2952

Deuteranomaly

12.2852, 12.0469, 12.0337

Tritanomaly

12.5024, 12.0068, 12.9678

Monochromacy



Original Color

12.2852, 12.0469, 12.0337

Achromatopsia

11.6093, 12.2139, 13.3009

Achromatomaly

11.8655, 12.2187, 12.7994

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.2852, 12.0469, 12.0337 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(109, 94, 93)` looks like.

```
.text, #text, p{  
    color:rgb(109, 94, 93)  
}
```

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(109, 94, 93) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 94, 93) }
```

Border

The CSS property to change the border of an element to XYZ 12.2852, 12.0469, 12.0337 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(109, 94, 93) }
```


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

```
.border{ border-color:rgb(109, 94, 93) }
```

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

Here you see how a box with a 4 pixel rgb(109, 94, 93) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(109, 94, 93); -webkit-box-  
shadow:4px 4px 4px 4px rgb(109, 94, 93);  
box-shadow:4px 4px 4px 4px rgb(109, 94,  
93) }
```

Background

The CSS property to change the background color of an element to XYZ 12.2852, 12.0469, 12.0337 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 94, 93) }
```

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

```
.background{ background-color: rgb(109, 94,  
93) }
```

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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