

Converting Colors

XYZ(12.3505, 12.0166, 12.3191)

Have a look what the booklet for
XYZ(12.3505, 12.0166, 12.3191)
contains.

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Color

**XYZ(12.3298, 12.0648,
12.2686)**

Conversions

Conversions Part 1

Format	Color
Hex	6D5E5E
RGB	109, 94, 94
RGB Percent	43%, 37%, 37%
CMY	0.5725, 0.6314, 0.6314
CMYK	0.00, 0.14, 0.14, 0.57
HSL	0°, 7%, 40%
HSV	0°, 14%, 43%
XYZ	12.3298, 12.0648, 12.2686
YIQ	98.4850, 8.9400, 3.1800

Conversions

Conversions Part 2

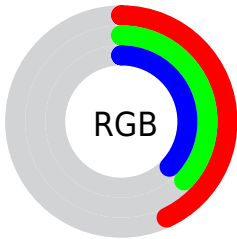
Format	Color
R_{YB}	109, 94, 94
Decimal	7167582
CIE Lab	41.32, 6.05, 2.23
CIE LCh	41, 6.442, 20.215
Yxy	12.0648, 0.3363, 0.3291
Android (android.graphics.Color)	4285357662 (0xFF6D5E5E)
YUV	98.4850, -2.2111, 9.2217
Hunter-Lab	34.7344, 2.5775, 3.3722

Details

The XYZ color **12.3298, 12.0648, 12.2686** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **12.8450, 14.4209, 16.5747**, and the grayscale version is **11.7345, 12.3456, 13.4444**.

A 20% lighter version of the original color is **29.7052, 29.5372, 30.5212**, and **3.5149, 3.3194, 3.2518** is the 20% darker color. If you saturate the color by 10%, you get **10.9732, 10.0798, 9.5713**, and if you desaturate by 10%, it is **13.8930, 14.3522, 15.3759**.

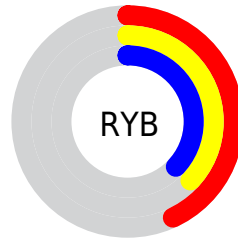
Distribution



Red (43%)

Green (37%)

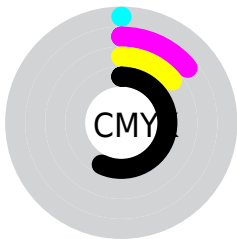
Blue (37%)



Red (43%)

Yellow (37%)

Blue (37%)

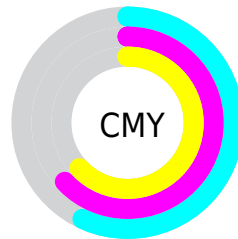


Cyan (0%)

Magenta (14%)

Yellow (14%)

Black (57%)



Cyan (57%)

Magenta (63%)

Yellow (63%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.3298, 12.0648, 12.2686 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 12.3298, 12.0648, 12.2686 by changing the saturation by 10% instead.

■ 12.3298, 12.0648,
12.2686

■ 12.3298, 12.0648,
12.2686

200.3022,
204.8338, 217.2161

■ 7.0425, 6.7878,
6.8021

■ 29.7060, 29.6131,
30.6551

■ 3.5353, 3.3298,
3.2621

■ 42.5257, 42.6532,
44.4121

■ 1.4427, 1.3062,
1.2300

■ 58.5868, 59.0497,
61.7698

■ 0.2864, 0.1460,
0.0033

■ 78.2548, 79.1872,
83.1466

■ 0.0000, 0.0000,
0.0000

101.8949,
103.4499, 108.9611

129.8727,

132.2224, 139.6318

162.5533,
165.8889, 175.5773

■ 12.3298, 12.0648,
12.2686

■ 12.3298, 12.0648,
12.2686

■ 10.9732, 10.0798,
9.5713

■ 13.8930, 14.3522,
15.3759

■ 9.8137, 8.3831,
7.2661

■ 15.6699, 16.9523,
18.9086

■ 8.8424, 6.9618,
5.3352

■ 17.6686, 19.8768,
22.8821

■ 8.0493, 5.8013,
3.7586

■ 19.8962, 23.1363,
27.3107

■ 7.4237, 4.8858,
2.5150

■ 22.3597, 26.7410,
32.2085

■ 6.9535, 4.1978,
1.5804

■ 25.0658, 30.7006,
37.5885

■ 6.6252, 3.7173,
0.9278

■ 28.0208, 35.0245,
43.4634

■ 6.4180, 3.4141,
0.5160

■ 31.2308, 39.7215,
49.8455

■ 6.3069, 3.2516,
0.2952

■ 34.7019, 44.8005,
56.7465

Harmonies

Analogous

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



12.3742, 12.0648, 13.5780



12.3298, 12.0648, 12.2686



12.0509, 12.0648, 11.2595

Triad

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



12.3298, 12.0648, 12.2686



10.7916, 12.0648, 11.5602



11.3155, 12.0648, 15.8344

Complementary

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



12.3298, 12.0648, 12.2686



12.8450, 14.4209, 16.5747

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.



10.9027, 12.0648, 15.2113



12.3298, 12.0648, 12.2686



10.6057, 12.0648, 12.7047

Square

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



12.3298, 12.0648, 12.2686



11.1600, 12.0648, 10.8701



10.6459, 12.0648, 14.0444



11.7800, 12.0648, 15.6979

Rectangle

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



12.3298, 12.0648, 12.2686



11.7736, 12.0648, 10.8643



10.6459, 12.0648, 14.0444



11.1663, 12.0648, 15.7053

Sweetspot

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



12.3301, 12.0653, 12.2689



24.7731, 25.5470, 27.3254



13.0699, 12.3610, 16.1652



5.7231, 5.8838, 6.2757



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.



12.3301, 12.0653, 12.2689



21.1350, 20.2237, 20.0929



13.0296, 13.4643, 12.5020



3.0998, 3.1168, 3.2557



7.3767, 3.8031, 0.3453



37.5868, 19.3772, 1.7591

Inverse Universe

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



12.8450, 14.4209, 16.5747



22.2773, 25.4494, 29.6453



12.0790, 12.8888, 16.3193



3.1818, 3.4918, 3.9412



9.6230, 14.0804, 19.1329



49.0330, 71.7446, 97.4900

Previews

White Background



This preview shows how the XYZ color 12.3298, 12.0648, 12.2686 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 12.3298, 12.0648, 12.2686 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

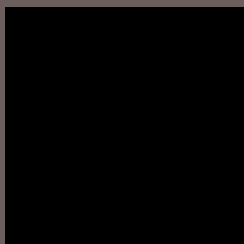
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 12.3298, 12.0648, 12.2686

Background



This preview shows how black text looks on a background with the XYZ color 12.3298, 12.0648, 12.2686.

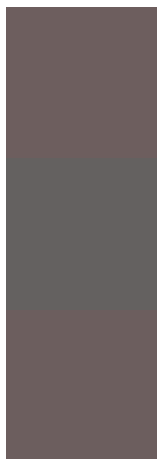


This preview shows how white text looks on a background with the XYZ color 12.3298, 12.0648,

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

12.3298, 12.0648, 12.2686

Protanopia

11.6415, 12.1032, 12.7889

Deuteranopia

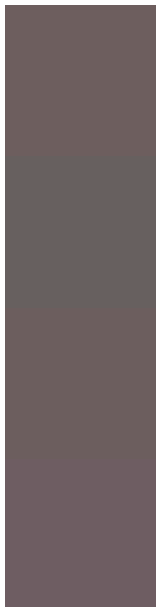
12.2074, 12.0017, 12.2628



Tritanopia

12.6450, 12.0638, 13.7187

Trichromacy



Original Color

12.3298, 12.0648, 12.2686

Protanomaly

11.8419, 12.0755, 12.5331

Deuteranomaly

12.2074, 12.0017, 12.2628

Tritanomaly

12.5494, 12.0255, 13.2150

Monochromacy



Original Color

12.3298, 12.0648, 12.2686

Achromatopsia

11.6093, 12.2139, 13.3009

Achromatomaly

11.9119, 12.2372, 13.0435

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.3298, 12.0648, 12.2686 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, 94)` looks like.

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

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, 94) colored shadow looks like.

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

Border

The CSS property to change the border of an element to XYZ 12.3298, 12.0648, 12.2686 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, 94) }
```


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

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

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, 94) colored shadow looks like.

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

Background

The CSS property to change the background color of an element to XYZ 12.3298, 12.0648, 12.2686 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, 94) }
```

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

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

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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