

Converting Colors

XYZ(12.7409, 12.0924, 11.8069)

Have a look what the booklet for
XYZ(12.7409, 12.0924, 11.8069)
contains.

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Color

**XYZ(12.7855, 12.1788,
11.8021)**

Conversions

Conversions Part 1

Format	Color
Hex	725D5C
RGB	114, 93, 92
RGB Percent	45%, 36%, 36%
CMY	0.5529, 0.6353, 0.6392
CMYK	0.00, 0.18, 0.19, 0.55
HSL	3°, 11%, 40%
HSV	3°, 19%, 45%
XYZ	12.7855, 12.1788, 11.8021
YIQ	99.1650, 12.8370, 4.1410

Conversions

Conversions Part 2

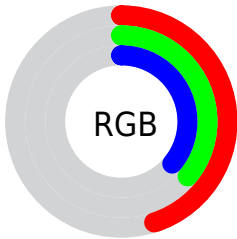
Format	Color
RYB	114, 93, 92
Decimal	7495004
CIELab	41.50, 8.35, 3.78
CIELCh	41, 9.165, 24.336
Yxy	12.1788, 0.3477, 0.3312
Android (android.graphics.Color)	4285685084 (0xFF725D5C)
YUV	99.1650, -3.5323, 13.0103
Hunter-Lab	34.8981, 4.3246, 4.3776

Details

The XYZ color **12.7855, 12.1788, 11.8021** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **13.3558, 15.3000, 18.1688**, and the grayscale version is **11.9079, 12.5281, 13.6431**.

A 20% lighter version of the original color is **30.4308, 29.7049, 29.7209**, and **3.7564, 3.3885, 3.0408** is the 20% darker color. If you saturate the color by 10%, you get **11.4362, 10.2186, 9.0759**, and if you desaturate by 10%, it is **14.3464, 14.4420, 14.9691**.

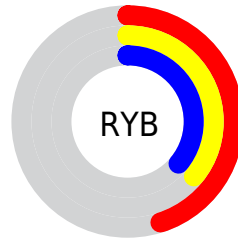
Distribution



Red (45%)

Green (36%)

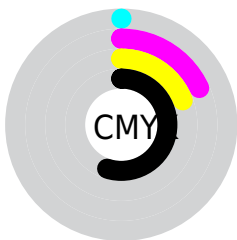
Blue (36%)



Red (45%)

Yellow (36%)

Blue (36%)

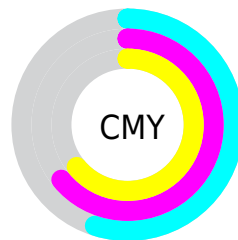


Cyan (0%)

Magenta (18%)

Yellow (19%)

Black (55%)



Cyan (55%)

Magenta (64%)

Yellow (64%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.7855, 12.1788, 11.8021 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 12.7855, 12.1788, 11.8021 by changing the saturation by 10% instead.

■ 12.7855, 12.1788,
11.8021

■ 12.7855, 12.1788,
11.8021

203.2039,
205.5854, 214.0219

■ 7.3570, 6.8656,
6.4882

■ 30.5225, 29.8203,
29.7931

■ 3.7346, 3.3782,
3.0706

■ 43.5617, 42.9174,
43.3073

■ 1.5531, 1.3322,
1.1308

■ 59.8685, 59.3779,
60.3920

■ 0.3616, 0.1659,
0.0000

■ 79.8082, 79.5862,
81.4658

■ 0.0000, 0.0000,
0.0000

103.7463,
103.9268, 106.9471

132.0480,

132.7839, 137.2545

165.0787,
166.5419, 172.8066

■ 12.7855, 12.1788,
11.8021

■ 12.7855, 12.1788,
11.8021

■ 11.4362, 10.2186,
9.0759

■ 14.3464, 14.4420,
14.9691

■ 10.2885, 8.5469,
6.7704

■ 16.1264, 17.0184,
18.5945

■ 9.3329, 7.1505,
4.8648

■ 18.1338, 19.9200,
22.6958

■ 8.5590, 6.0149,
3.3363

■ 20.3764, 23.1576,
27.2894

■ 7.9553, 5.1237,
2.1598

■ 22.8613, 26.7413,
32.3908

■ 7.5088, 4.4590,
1.3074

■ 25.5955, 30.6812,
38.0148

■ 7.2050, 4.0004,
0.7467

■ 28.5858, 34.9866,
44.1759

■ 7.0085, 3.7085,
0.3694

■ 31.8385, 39.6666,
50.8877

■ 6.9958, 3.6901,
0.3436

■ 35.3599, 44.7300,
58.1635

Harmonies

Analogous

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



12.9011, 12.1788, 13.6269



12.7855, 12.1788, 11.8021



12.3405, 12.1788, 10.4915

Triad

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



12.7855, 12.1788, 11.8021



10.5633, 12.1788, 11.2299



11.4493, 12.1788, 17.2674

Complementary

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



12.7855, 12.1788, 11.8021



13.3558, 15.3000, 18.1688

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.



10.8429, 12.1788, 16.4787



12.7855, 12.1788, 11.8021



10.3441, 12.1788, 12.9010

Square

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



12.7855, 12.1788, 11.8021



11.0544, 12.1788, 10.1840



10.4445, 12.1788, 14.8347



12.1129, 12.1788, 16.9018

Rectangle

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



12.7855, 12.1788, 11.8021



11.9258, 12.1788, 10.0254



10.4445, 12.1788, 14.8347



11.2323, 12.1788, 17.1263

Sweetspot

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



12.7858, 12.1794, 11.8024



26.1518, 26.7415, 28.2193



13.7623, 12.4301, 17.3755



6.0160, 6.1381, 6.4611



55.7959, 58.7016, 63.9261



6.5000, 6.8385, 7.4471

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



12.7858, 12.1794, 11.8024



21.4055, 19.8592, 18.5897



13.7948, 14.1972, 12.1387



3.3956, 3.4237, 3.5552



7.7842, 4.1009, 0.3813



38.6041, 20.0834, 1.8418

Inverse Universe

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



13.3558, 15.3000, 18.1688



22.5946, 26.3704, 31.8746



12.2286, 13.0456, 17.7931



3.4626, 3.7904, 4.3033



9.4425, 13.4752, 19.8249



46.8614, 66.7747, 98.6981

Previews

White Background



This preview shows how the XYZ color 12.7855, 12.1788, 11.8021 looks on a white background.

Color Contrast Check

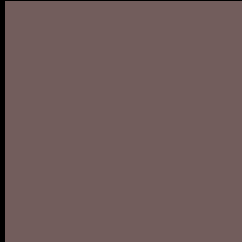
Large Text (above 18pt) WCAG AA ✓ Pass

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 12.7855, 12.1788, 11.8021 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 12.7855, 12.1788, 11.8021

Background



This preview shows how black text looks on a background with the XYZ color 12.7855, 12.1788, 11.8021.

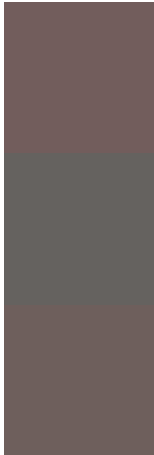


This preview shows how white text looks on a background with the XYZ color 12.7855, 12.1788,

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

12.7855, 12.1788, 11.8021

Protanopia

11.8001, 12.3283, 12.5841

Deuteranopia

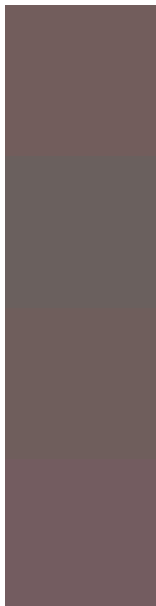
12.4544, 12.2721, 11.8376



Tritanopia

13.1495, 12.2000, 13.4662

Trichromacy



Original Color

12.7855, 12.1788, 11.8021

Protanomaly

12.1471, 12.2381, 12.3116

Deuteranomaly

12.4900, 12.1576, 11.8136

Tritanomaly

13.0087, 12.1437, 12.7247

Monochromacy



Original Color

12.7855, 12.1788, 11.8021

Achromatopsia

11.8596, 12.4772, 13.5877

Achromatomaly

12.0949, 12.3370, 12.8101

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.7855, 12.1788, 11.8021 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(114, 93, 92) looks like.

```
.text, #text, p{  
    color:rgb(114, 93, 92)  
}
```

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(114, 93, 92) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(114, 93, 92) }
```

Border

The CSS property to change the border of an element to XYZ 12.7855, 12.1788, 11.8021 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(114, 93, 92) }
```


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

```
.border{ border-color:rgb(114, 93, 92) }
```

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

Here you see how a box with a 4 pixel `rgb(114, 93, 92)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(114, 93, 92); -webkit-box-  
shadow:4px 4px 4px 4px rgb(114, 93, 92);  
box-shadow:4px 4px 4px 4px rgb(114, 93,  
92) }
```

Background

The CSS property to change the background color of an element to XYZ 12.7855, 12.1788, 11.8021 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(114, 93, 92) }
```

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

```
.background{ background-color: rgb(114, 93,  
92) }
```

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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