

Converting Colors

XYZ(12.9207, 12.3421, 10.2764)

Have a look what the booklet for
XYZ(12.9207, 12.3421, 10.2764)
contains.

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Color

**XYZ(12.8902, 12.2665,
10.2826)**

Conversions

Conversions Part 1

Format	Color
Hex	755D55
RGB	117, 93, 85
RGB Percent	46%, 36%, 33%
CMY	0.5412, 0.6353, 0.6667
CMYK	0.00, 0.21, 0.27, 0.54
HSL	15°, 16%, 40%
HSV	15°, 27%, 46%
XYZ	12.8902, 12.2665, 10.2826
YIQ	99.2640, 16.8720, 2.6000

Conversions

Conversions Part 2

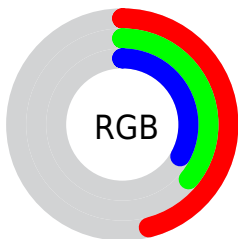
Format	Color
R_{YB}	117, 96, 85
Decimal	7691605
CIE Lab	41.64, 8.45, 8.30
CIE LCh	42, 11.845, 44.458
Yxy	12.2665, 0.3637, 0.3461
Android (android.graphics.Color)	4285881685 (0xFF755D55)
YUV	99.2640, -7.0322, 15.5545
Hunter-Lab	35.0236, 4.4046, 7.1095

Details

The XYZ color **12.8902, 12.2665, 10.2826** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **12.4257, 14.1526, 18.9066**, and the grayscale version is **11.9408, 12.5627, 13.6807**.

A 20% lighter version of the original color is **30.7732, 29.9402, 27.0788**, and **3.7834, 3.4152, 2.4673** is the 20% darker color. If you saturate the color by 10%, you get **11.7369, 10.6432, 7.7915**, and if you desaturate by 10%, it is **14.2094, 14.0984, 13.2086**.

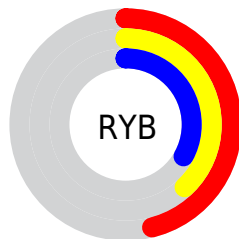
Distribution



Red (46%)

Green (36%)

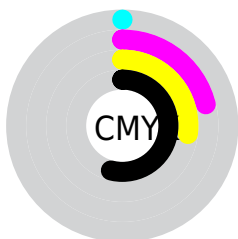
Blue (33%)



Red (46%)

Yellow (38%)

Blue (33%)

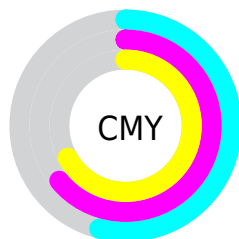


Cyan (0%)

Magenta (21%)

Yellow (27%)

Black (54%)



Cyan (54%)

Magenta (64%)

Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.8902, 12.2665, 10.2826 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 12.8902, 12.2665, 10.2826 by changing the saturation by 10% instead.

■ 12.8902, 12.2665,
10.2826

■ 12.8902, 12.2665,
10.2826

203.8646,
206.1617, 203.2349

■ 7.4295, 6.9254,
5.4787

■ 30.7094, 29.9796,
26.9418

■ 3.7808, 3.4155,
2.4672

■ 43.7985, 43.1204,
39.6341

■ 1.5789, 1.3523,
0.8227

■ 60.1612, 59.6299,
55.7930

■ 0.3786, 0.1812,
0.0000

■ 80.1627, 79.8924,
75.8370

■ 0.0000, 0.0000,
0.0000

■ 104.1685,
104.2925, 100.1847

132.5438,

133.2145, 129.2545

165.6541,
167.0428, 163.4651

■ 12.8902, 12.2665,
10.2826

■ 12.8902, 12.2665,
10.2826

■ 11.7369, 10.6432,
7.7915

■ 14.2094, 14.0984,
13.2086

■ 10.7418, 9.2194,
5.7136

■ 15.7000, 16.1444,
16.5882

■ 9.8980, 7.9878,
4.0265

■ 17.3681, 18.4117,
20.4398

■ 9.1976, 6.9399,
2.7055

■ 19.2196, 20.9068,
24.7809

■ 8.6321, 6.0665,
1.7228

■ 21.2599, 23.6358,
29.6277

■ 8.1919, 5.3577,
1.0469

■ 23.4942, 26.6047,
34.9959

■ 7.8585, 4.7995,
0.6012

■ 25.9275, 29.8191,
40.9004

■ 7.7819, 4.6734,
0.4919

■ 28.5647, 33.2847,
47.3557

■ 31.4103, 37.0067,
54.3755

Harmonies

Analogous

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



13.3495, 12.2665, 12.1989



12.8902, 12.2665, 10.2826



12.1115, 12.2665, 9.2630

Triad

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



12.8902, 12.2665, 10.2826



10.1250, 12.2665, 12.1169



12.0803, 12.2665, 18.5352

Complementary

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



12.8902, 12.2665, 10.2826



12.4257, 14.1526, 18.9066

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.



11.2178, 12.2665, 18.5061



12.8902, 12.2665, 10.2826



10.1175, 12.2665, 14.5844

Square

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



12.8902, 12.2665, 10.2826



10.5295, 12.2665, 10.2290



10.5087, 12.2665, 16.9882



12.8664, 12.2665, 17.0633

Rectangle

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



12.8902, 12.2665, 10.2826



11.5298, 12.2665, 9.1380



10.5087, 12.2665, 16.9882



11.7890, 12.2665, 18.7059

Sweetspot

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



12.8905, 12.2671, 10.2829



27.8729, 28.5806, 29.1533



13.3451, 11.3832, 15.9620



6.3281, 6.4613, 6.5195



57.3938, 60.3827, 65.7568



6.9614, 7.3239, 7.9757

Same Dimension

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



12.8905, 12.2671, 10.2829



21.7068, 20.0343, 15.4263



14.4446, 15.3752, 10.8009



3.7515, 3.8360, 3.8850



8.5626, 5.1265, 0.5382



41.1381, 23.8047, 2.4265

Inverse Universe

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



12.4257, 14.1526, 18.9066



20.7200, 24.0202, 33.6813



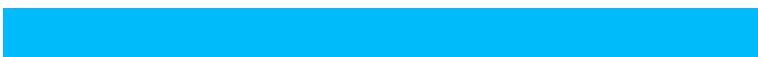
10.8717, 11.0445, 18.3886



3.7095, 4.0076, 4.6683



7.3468, 9.0332, 19.8989



35.0963, 42.6092, 96.7349

Previews

White Background



This preview shows how the XYZ color 12.8902, 12.2665, 10.2826 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 12.8902, 12.2665, 10.2826 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

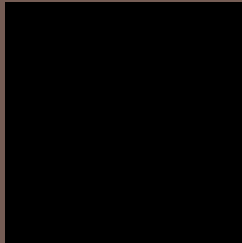
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 12.8902, 12.2665, 10.2826

Background



This preview shows how black text looks on a background with the XYZ color 12.8902, 12.2665, 10.2826.



This preview shows how white text looks on a background with the XYZ color 12.8902, 12.2665,

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

12.8902, 12.2665, 10.2826

Protanopia

11.7227, 12.3235, 10.9933

Deuteranopia

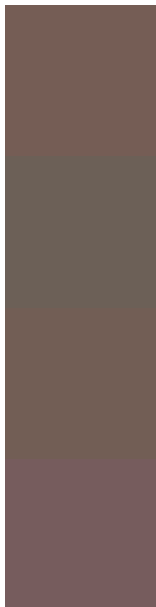
12.5420, 12.3510, 10.3173



Tritanopia

13.4169, 12.2156, 13.2060

Trichromacy



Original Color

12.8902, 12.2665, 10.2826

Protanomaly

12.0875, 12.2420, 10.7427

Deuteranomaly

12.5818, 12.2387, 10.2935

Tritanomaly

13.2741, 12.2962, 12.0297

Monochromacy



Original Color

12.8902, 12.2665, 10.2826

Achromatopsia

11.8596, 12.4772, 13.5877

Achromatomaly

12.2389, 12.4217, 12.3422

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.8902, 12.2665, 10.2826 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(117, 93, 85)` looks like.

```
.text, #text, p{  
    color:rgb(117, 93, 85)  
}
```

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(117, 93, 85) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 93, 85) }
```

Border

The CSS property to change the border of an element to XYZ 12.8902, 12.2665, 10.2826 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(117, 93, 85) }
```


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

```
.border{ border-color:rgb(117, 93, 85) }
```

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

Here you see how a box with a 4 pixel rgb(117, 93, 85) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 93, 85); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 93, 85);  
box-shadow:4px 4px 4px 4px rgb(117, 93,  
85) }
```

Background

The CSS property to change the background color of an element to XYZ 12.8902, 12.2665, 10.2826 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 93, 85) }
```

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

```
.background{ background-color: rgb(117, 93,  
85) }
```

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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