

Converting Colors

XYZ(13.5959, 12.7800, 12.3925)

Have a look what the booklet for
XYZ(13.5959, 12.7800, 12.3925)
contains.

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Color

**XYZ(13.4943, 12.6651,
12.3231)**

Conversions

Conversions Part 1

Format	Color
Hex	765E5E
RGB	118, 94, 94
RGB Percent	46%, 37%, 37%
CMY	0.5373, 0.6314, 0.6314
CMYK	0.00, 0.20, 0.20, 0.54
HSL	0°, 11%, 42%
HSV	0°, 20%, 46%
XYZ	13.4943, 12.6651, 12.3231
YIQ	101.1760, 14.3040, 5.0880

Conversions

Conversions Part 2

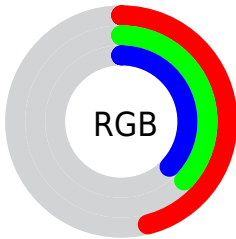
Format	Color
RYB	118, 94, 94
Decimal	7757406
CIELab	42.25, 9.74, 3.70
CIELCh	42, 10.421, 20.772
Yxy	12.6651, 0.3507, 0.3291
Android (android.graphics.Color)	4285947486 (0xFF765E5E)
YUV	101.1760, -3.5378, 14.7546
Hunter-Lab	35.5881, 5.4046, 4.3813

Details

The XYZ color **13.4943, 12.6651, 12.3231** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **14.3645, 16.6442, 19.5952**, and the grayscale version is **12.4217, 13.0685, 14.2316**.

A 20% lighter version of the original color is **31.8019, 30.6181, 30.6193**, and **4.0447, 3.5925, 3.2766** is the 20% darker color. If you saturate the color by 10%, you get **12.0346, 10.5292, 9.4208**, and if you desaturate by 10%, it is **15.1961, 15.1553, 15.7058**.

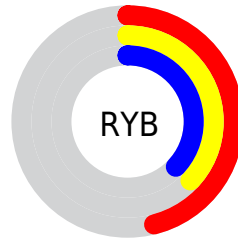
Distribution



Red (46%)

Green (37%)

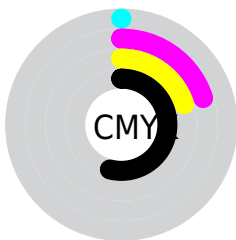
Blue (37%)



Red (46%)

Yellow (37%)

Blue (37%)

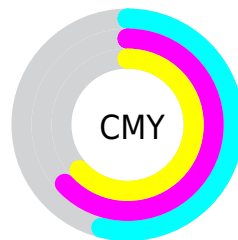


Cyan (0%)

Magenta (20%)

Yellow (20%)

Black (54%)



Cyan (54%)

Magenta (63%)

Yellow (63%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.4943, 12.6651, 12.3231 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 13.4943, 12.6651, 12.3231 by changing the saturation by 10% instead.

■ 13.4943, 12.6651,
12.3231

■ 13.4943, 12.6651,
12.3231

207.6359,
208.7600, 217.5860

■ 7.8491, 7.1983,
6.8389

■ 31.7828, 30.7008,
30.7554

■ 4.0496, 3.5864,
3.2846

■ 45.1569, 44.0385,
44.5405

■ 1.7302, 1.4450,
1.2418

■ 61.8380, 60.7687,
61.9298

■ 0.4751, 0.2496,
0.0133

■ 82.1914, 81.2757,
83.3416

■ 0.0000, 0.0000,
0.0000

106.5826,
105.9440, 109.1946

135.3768,

135.1578, 139.9073

168.9395,
169.3017, 175.8983

■ 13.4943, 12.6651,
12.3231

■ 13.4943, 12.6651,
12.3231

■ 12.0346, 10.5292,
9.4208

■ 15.1961, 15.1553,
15.7058

■ 10.8050, 8.7300,
6.9765

■ 17.1492, 18.0132,
19.5885

■ 9.7941, 7.2508,
4.9669

■ 19.3635, 21.2534,
23.9907

■ 8.9891, 6.0728,
3.3667

■ 21.8482, 24.8892,
28.9304

■ 8.3759, 5.1755,
2.1477

■ 24.6120, 28.9334,
34.4250

■ 7.9385, 4.5354,
1.2782

■ 27.6633, 33.3981,
40.4909

■ 7.6584, 4.1255,
0.7216

■ 31.0099, 38.2950,
47.1441

■ 7.4714, 3.8518,
0.3497

■ 34.6594, 43.6353,
54.3997

■ 38.6194, 49.4297,
62.2724

Harmonies

Analogous

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



13.5787, 12.6651, 14.4900



13.4943, 12.6651, 12.3231



13.0108, 12.6651, 10.7251

Triad

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



13.4943, 12.6651, 12.3231



10.9137, 12.6651, 11.2497



11.7990, 12.6651, 18.4759

Complementary

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



13.4943, 12.6651, 12.3231



14.3645, 16.6442, 19.5952

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.



11.1146, 12.6651, 17.3898



13.4943, 12.6651, 12.3231



10.6181, 12.6651, 13.1132

Square

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



13.4943, 12.6651, 12.3231



11.5140, 12.6651, 10.1534



10.6901, 12.6651, 15.3692



12.5772, 12.6651, 18.2057

Rectangle

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



13.4943, 12.6651, 12.3231



12.5382, 12.6651, 10.1211



10.6901, 12.6651, 15.3692



11.5509, 12.6651, 18.2533

Sweetspot

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



13.4946, 12.6657, 12.3234



28.1033, 28.6727, 30.3667



14.7441, 13.1652, 18.9037



6.4249, 6.5389, 6.9092



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.



13.4946, 12.6657, 12.3234



22.5836, 20.5959, 19.3936



14.6458, 14.9679, 12.7071



3.6840, 3.7009, 3.8625



8.0829, 4.1671, 0.3783



39.3887, 20.3060, 1.8434

Inverse Universe

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



14.3645, 16.6442, 19.5952



24.3802, 28.8136, 34.4136



13.0403, 13.9959, 19.1538



3.7833, 4.1552, 4.6929



10.5452, 15.4300, 20.9651



51.3876, 75.1917, 102.1653

Previews

White Background



This preview shows how the XYZ color 13.4943, 12.6651, 12.3231 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 13.4943, 12.6651, 12.3231 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 13.4943, 12.6651, 12.3231

Background



This preview shows how black text looks on a background with the XYZ color 13.4943, 12.6651, 12.3231.



This preview shows how white text looks on a background with the XYZ color 13.4943, 12.6651,

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

13.4943, 12.6651, 12.3231

Protanopia

12.0990, 12.6115, 13.1058

Deuteranopia

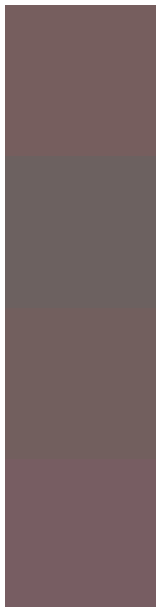
12.8853, 12.6186, 12.3462



Tritanopia

13.8223, 12.6707, 13.7738

Trichromacy



Original Color

13.4943, 12.6651, 12.3231

Protanomaly

12.5704, 12.5821, 12.8324

Deuteranomaly

13.0520, 12.5700, 12.3280

Tritanomaly

13.7267, 12.6325, 13.2701

Monochromacy



Original Color

13.4943, 12.6651, 12.3231

Achromatopsia

12.3695, 13.0136, 14.1719

Achromatomaly

12.6357, 12.7430, 13.3489

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.4943, 12.6651, 12.3231 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(118, 94, 94)` looks like.

```
.text, #text, p{  
    color:rgb(118, 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(118, 94, 94) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 94, 94) }
```

Border

The CSS property to change the border of an element to XYZ 13.4943, 12.6651, 12.3231 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(118, 94, 94) }
```


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

```
.border{ border-color:rgb(118, 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(118, 94, 94)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 94, 94); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 94, 94);  
box-shadow:4px 4px 4px 4px rgb(118, 94,  
94) }
```

Background

The CSS property to change the background color of an element to XYZ 13.4943, 12.6651, 12.3231 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 94, 94) }
```

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

```
.background{ background-color: rgb(118, 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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