

Converting Colors

XYZ(13.4450, 12.6110, 12.1059)

Have a look what the booklet for
XYZ(13.4450, 12.6110, 12.1059)
contains.

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Color

**XYZ(13.4497, 12.6473,
12.0882)**

Conversions

Conversions Part 1

Format	Color
Hex	765E5D
RGB	118, 94, 93
RGB Percent	46%, 37%, 36%
CMY	0.5373, 0.6314, 0.6353
CMYK	0.00, 0.20, 0.21, 0.54
HSL	2°, 12%, 41%
HSV	2°, 21%, 46%
XYZ	13.4497, 12.6473, 12.0882
YIQ	101.0620, 14.6250, 4.7770

Conversions

Conversions Part 2

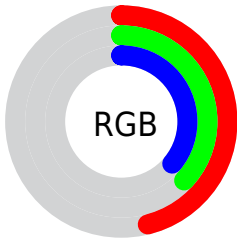
Format	Color
R_{YB}	118, 94, 93
Decimal	7757405
CIE Lab	42.23, 9.57, 4.27
CIE LCh	42, 10.482, 24.025
Yxy	12.6473, 0.3522, 0.3312
Android (android.graphics.Color)	4285947485 (0xFF765E5D)
YUV	101.0620, -3.9746, 14.8546
Hunter-Lab	35.5630, 5.2722, 4.7409

Details

The XYZ color **13.4497, 12.6473, 12.0882** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **14.1453, 16.3572, 19.5513**, and the grayscale version is **12.3932, 13.0387, 14.1991**.

A 20% lighter version of the original color is **31.7258, 30.5876, 30.2185**, and **4.0243, 3.5843, 3.1691** is the 20% darker color. If you saturate the color by 10%, you get **12.0325, 10.5858, 9.2332**, and if you desaturate by 10%, it is **15.0961, 15.0379, 15.4179**.

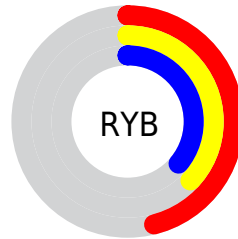
Distribution



Red (46%)

Green (37%)

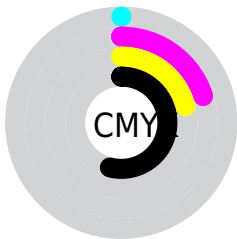
Blue (36%)



Red (46%)

Yellow (37%)

Blue (36%)

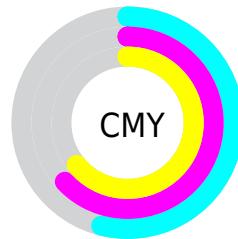


Cyan (0%)

Magenta (20%)

Yellow (21%)

Black (54%)



Cyan (54%)

Magenta (63%)

Yellow (64%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.4497, 12.6473, 12.0882 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 13.4497, 12.6473, 12.0882 by changing the saturation by 10% instead.

■ 13.4497, 12.6473,
12.0882

■ 13.4497, 12.6473,
12.0882

207.3598,
208.6447, 215.9869

■ 7.8181, 7.1861,
6.6805

■ 31.7038, 30.6687,
30.3224

■ 4.0296, 3.5788,
3.1877

■ 45.0571, 43.9977,
43.9861

■ 1.7189, 1.4408,
1.1913

■ 61.7149, 60.7180,
61.2387

■ 0.4680, 0.2465,
0.0000

■ 82.0426, 81.2142,
82.4990

■ 0.0000, 0.0000,
0.0000

106.4056,
105.8706, 108.1854

135.1692,

135.0715, 138.7165

168.6989,
169.2014, 174.5108

■ 13.4497, 12.6473,
12.0882

■ 13.4497, 12.6473,
12.0882

■ 12.0325, 10.5858,
9.2332

■ 15.0961, 15.0379,
15.4179

■ 10.8334, 8.8373,
6.8304

■ 16.9801, 17.7693,
19.2417

■ 9.8419, 7.3871,
4.8570

■ 19.1110, 20.8547,
23.5787

■ 9.0461, 6.2185,
3.2877

■ 21.4973, 24.3062,
28.4471

■ 8.4331, 5.3133,
2.0945

■ 24.1471, 28.1352,
33.8640

■ 7.9883, 4.6509,
1.2459

■ 27.0681, 32.3527,
39.8457

■ 7.6951, 4.2080,
0.7054

■ 30.2676, 36.9691,
46.4080

■ 7.5226, 3.9543,
0.3668

■ 33.7529, 41.9947,
53.5658

■ 37.5307, 47.4391,
61.3337

Harmonies

Analogous

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



13.5819, 12.6473, 14.2247



13.4497, 12.6473, 12.0882



12.9275, 12.6473, 10.5666

Triad

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



13.4497, 12.6473, 12.0882



10.8427, 12.6473, 11.3891



11.8648, 12.6473, 18.5218

Complementary

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



13.4497, 12.6473, 12.0882



14.1453, 16.3572, 19.5513

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.



11.1576, 12.6473, 17.5648



13.4497, 12.6473, 12.0882



10.5843, 12.6473, 13.3266

Square

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



13.4497, 12.6473, 12.0882



11.4180, 12.6473, 10.1947



10.6970, 12.6473, 15.6026



12.6446, 12.6473, 18.0983

Rectangle

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



13.4497, 12.6473, 12.0882



12.4402, 12.6473, 10.0262



10.6970, 12.6473, 15.6026



11.6111, 12.6473, 18.3479

Sweetspot

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



13.4500, 12.6479, 12.0885



28.1589, 28.7840, 30.3852



14.6064, 12.9687, 18.6145



6.4386, 6.5662, 6.9137



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.



13.4500, 12.6479, 12.0885



22.4952, 20.5607, 18.9273



14.6355, 15.0189, 12.4836



3.6946, 3.7223, 3.8660



8.1361, 4.2734, 0.3960



39.4973, 20.5231, 1.8796

Inverse Universe

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



14.1453, 16.3572, 19.5513



23.9289, 28.2113, 34.3211



12.8020, 13.6707, 19.1036



3.7713, 4.1313, 4.6889



9.9564, 14.2524, 20.7688



48.3637, 69.1440, 101.1574

Previews

White Background



This preview shows how the XYZ color 13.4497, 12.6473, 12.0882 looks on a white background.

Color Contrast Check

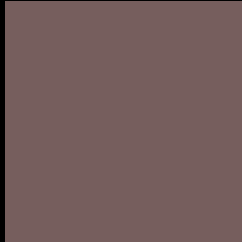
Large Text (above 18pt) WCAG AA ✓ Pass

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 13.4497, 12.6473, 12.0882 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 13.4497, 12.6473, 12.0882

Background



This preview shows how black text looks on a background with the XYZ color 13.4497, 12.6473, 12.0882.



This preview shows how white text looks on a background with the XYZ color 13.4497, 12.6473,

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

13.4497, 12.6473, 12.0882

Protanopia

12.1667, 12.6518, 12.8671

Deuteranopia

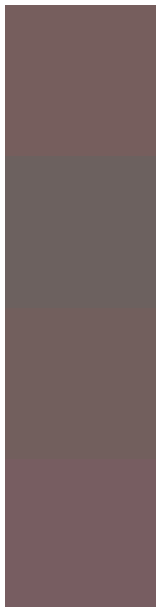
12.8407, 12.6008, 12.1113



Tritanopia

13.8223, 12.6707, 13.7738

Trichromacy



Original Color

13.4497, 12.6473, 12.0882

Protanomaly

12.5246, 12.5638, 12.5914

Deuteranomaly

13.0074, 12.5521, 12.0932

Tritanomaly

13.6798, 12.6137, 13.0229

Monochromacy



Original Color

13.4497, 12.6473, 12.0882

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 13.4497, 12.6473, 12.0882 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, 93)` looks like.

```
.text, #text, p{  
    color:rgb(118, 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(118, 94, 93) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 94, 93) }
```

Border

The CSS property to change the border of an element to XYZ 13.4497, 12.6473, 12.0882 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, 93) }
```


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

```
.border{ border-color:rgb(118, 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(118, 94, 93) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 94, 93); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 94, 93);  
box-shadow:4px 4px 4px 4px rgb(118, 94,  
93) }
```

Background

The CSS property to change the background color of an element to XYZ 13.4497, 12.6473, 12.0882 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, 93) }
```

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

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