

Converting Colors

XYZ(13.7099, 12.7380, 12.4888)

Have a look what the booklet for
XYZ(13.7099, 12.7380, 12.4888)
contains.

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Color

**XYZ(13.8140, 12.8247,
12.5738)**

Conversions

Conversions Part 1

Format	Color
Hex	785E5F
RGB	120, 94, 95
RGB Percent	47%, 37%, 37%
CMY	0.5294, 0.6314, 0.6274
CMYK	0.00, 0.22, 0.21, 0.53
HSL	358°, 12%, 42%
HSV	358°, 22%, 47%
XYZ	13.8140, 12.8247, 12.5738
YIQ	101.8880, 15.1750, 5.8230

Conversions

Conversions Part 2

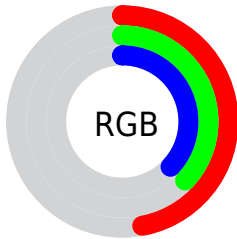
Format	Color
RYB	120, 94, 95
Decimal	7888479
CIELab	42.50, 10.74, 3.46
CIElCh	42, 11.283, 17.882
Yxy	12.8247, 0.3523, 0.3271
Android (android.graphics.Color)	4286078559 (0xFF785E5F)
YUV	101.8880, -3.3958, 15.8842
Hunter-Lab	35.8116, 6.1845, 4.2508

Details

The XYZ color **13.8140, 12.8247, 12.5738** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **14.6629, 17.1449, 19.9901**, and the grayscale version is **12.6062, 13.2627, 14.4430**.

A 20% lighter version of the original color is **32.3177, 30.8751, 31.0442**, and **4.2099, 3.6752, 3.3932** is the 20% darker color. If you saturate the color by 10%, you get **12.3425, 10.6598, 9.6843**, and if you desaturate by 10%, it is **15.5299, 15.3537, 15.9285**.

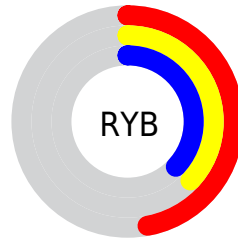
Distribution



Red (47%)

Green (37%)

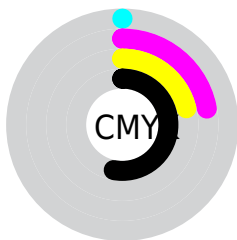
Blue (37%)



Red (47%)

Yellow (37%)

Blue (37%)

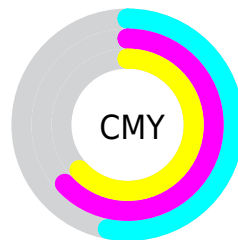


Cyan (0%)

Magenta (22%)

Yellow (21%)

Black (53%)



Cyan (53%)

Magenta (63%)

Yellow (63%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.8140, 12.8247, 12.5738 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 13.8140, 12.8247, 12.5738 by changing the saturation by 10% instead.

■ 13.8140, 12.8247,
12.5738

■ 13.8140, 12.8247,
12.5738

209.6045,
209.7911, 219.2789

■ 8.0722, 7.3079,
7.0085

■ 32.3477, 30.9885,
31.2158

■ 4.1934, 3.6554,
3.3889

■ 45.8703, 44.4043,
45.1296

■ 1.8121, 1.4827,
1.2965

■ 62.7172, 61.2219,
62.6633

■ 0.5250, 0.2765,
0.0589

■ 83.2539, 81.8258,
84.2354

■ 0.0000, 0.0000,
0.0000

107.8456,
106.6002, 110.2644

136.8577,

135.9297, 141.1690

170.6555,
170.1985, 177.3677

■ 13.8140, 12.8247,
12.5738

■ 13.8140, 12.8247,
12.5738

■ 12.3425, 10.6598,
9.6843

■ 15.5299, 15.3537,
15.9285

■ 11.1033, 8.8406,
7.2387

■ 17.4993, 18.2606,
19.7667

■ 10.0847, 7.3498,
5.2152

■ 19.7326, 21.5607,
24.1070

■ 9.2740, 6.1677,
3.5900

■ 22.2388, 25.2679,
28.9664

■ 8.6566, 5.2728,
2.3368

■ 25.0268, 29.3953,
34.3614

■ 8.2166, 4.6406,
1.4261

■ 28.1050, 33.9557,
40.3076

■ 7.9352, 4.2426,
0.8241

■ 31.4813, 38.9610,
46.8200

■ 7.7710, 4.0032,
0.4954

■ 35.1636, 44.4229,
53.9130

■ 39.1593, 50.3526,
61.6007

Harmonies

Analogous

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



13.8603, 12.8247, 14.9709



13.8140, 12.8247, 12.5738



13.3201, 12.8247, 10.7683

Triad

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



13.8140, 12.8247, 12.5738



11.0156, 12.8247, 11.0510



11.8492, 12.8247, 19.0652

Complementary

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



13.8140, 12.8247, 12.5738



14.6629, 17.1449, 19.9901

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.



11.1247, 12.8247, 17.7365



13.8140, 12.8247, 12.5738



10.6586, 12.8247, 13.0031

Square

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



13.8140, 12.8247, 12.5738



11.6939, 12.8247, 9.9620



10.6976, 12.8247, 15.4529



12.6989, 12.8247, 18.9154

Rectangle

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



13.8140, 12.8247, 12.5738



12.8160, 12.8247, 10.0569



10.6976, 12.8247, 15.4529



11.5837, 12.8247, 18.7708

Sweetspot

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



13.8144, 12.8253, 12.5741



29.1689, 29.7411, 31.6325



14.9599, 13.2628, 19.5409



6.8721, 6.9884, 7.4175



59.0181, 62.0916, 67.6177



7.4413, 7.8288, 8.5256

Same Dimension

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



13.8144, 12.8253, 12.5741



22.9572, 20.5853, 19.4881



14.8897, 15.0480, 12.7102



4.0040, 4.0173, 4.2185



8.4764, 4.3667, 0.5338



40.3611, 20.8008, 2.1659

Inverse Universe

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



13.8144, 12.8253, 12.5741



22.9572, 20.5853, 19.4881



13.4010, 14.5248, 19.8667



4.0040, 4.0173, 4.2185



8.4764, 4.3667, 0.5338



40.3611, 20.8008, 2.1659

Previews

White Background



This preview shows how the XYZ color 13.8140, 12.8247, 12.5738 looks on a white background.

Color Contrast Check

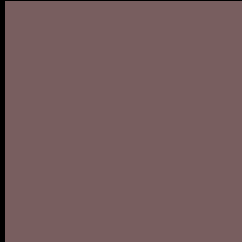
Large Text (above 18pt) WCAG AA ✓ Pass

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 13.8140, 12.8247, 12.5738 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

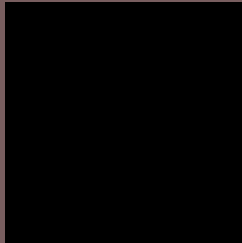
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 13.8140, 12.8247, 12.5738

Background



This preview shows how black text looks on a background with the XYZ color 13.8140, 12.8247, 12.5738.



This preview shows how white text looks on a background with the XYZ color 13.8140, 12.8247,

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

13.8140, 12.8247, 12.5738

Protanopia

12.3553, 12.8797, 13.3901

Deuteranopia

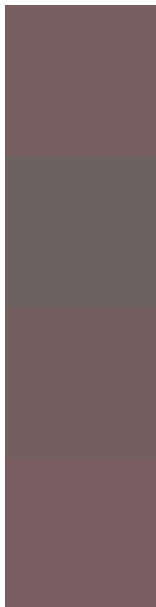
12.9772, 12.8023, 12.3768



Tritanopia

14.0998, 12.8137, 13.7868

Trichromacy



Original Color

13.8140, 12.8247, 12.5738

Protanomaly

12.8320, 12.8496, 13.1132

Deuteranomaly

13.2735, 12.8187, 12.3643

Tritanomaly

14.0041, 12.7755, 13.2831

Monochromacy



Original Color

13.8140, 12.8247, 12.5738

Achromatopsia

12.6291, 13.2868, 14.4694

Achromatomaly

13.0206, 13.0757, 13.6420

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.8140, 12.8247, 12.5738 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(120, 94, 95)` looks like.

```
.text, #text, p{  
    color:rgb(120, 94, 95)  
}
```

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(120, 94, 95) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 94, 95) }
```

Border

The CSS property to change the border of an element to XYZ 13.8140, 12.8247, 12.5738 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(120, 94, 95) }
```


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

```
.border{ border-color:rgb(120, 94, 95) }
```

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

Here you see how a box with a 4 pixel rgb(120, 94, 95) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 94, 95); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 94, 95);  
box-shadow:4px 4px 4px 4px rgb(120, 94,  
95) }
```

Background

The CSS property to change the background color of an element to XYZ 13.8140, 12.8247, 12.5738 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 94, 95) }
```

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

```
.background{ background-color: rgb(120, 94,  
95) }
```

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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