

Converting Colors

XYZ(13.1017, 12.2564, 9.7975)

Have a look what the booklet for
XYZ(13.1017, 12.2564, 9.7975)
contains.

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Color

**XYZ(13.1342, 12.2719,
9.8601)**

Conversions

Conversions Part 1

Format	Color
Hex	785C53
RGB	120, 92, 83
RGB Percent	47%, 36%, 33%
CMY	0.5294, 0.6392, 0.6745
CMYK	0.00, 0.23, 0.31, 0.53
HSL	15°, 18%, 40%
HSV	15°, 31%, 47%
XYZ	13.1342, 12.2719, 9.8601
YIQ	99.3460, 19.5770, 3.1370

Conversions

Conversions Part 2

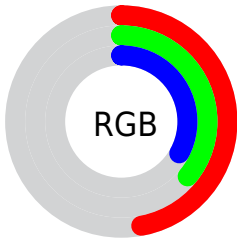
Format	Color
R _Y B	120, 95, 83
Decimal	7887955
CIE Lab	41.65, 10.03, 9.58
CIE LCh	42, 13.866, 43.675
Yxy	12.2719, 0.3724, 0.3480
Android (android.graphics.Color)	4286078035 (0xFF785C53)
YUV	99.3460, -8.0586, 18.1136
Hunter-Lab	35.0313, 5.6199, 7.8338

Details

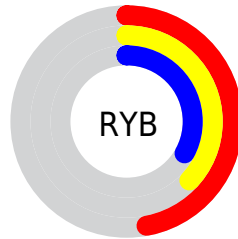
The XYZ color **13.1342, 12.2719, 9.8601** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **12.6417, 14.5635, 19.9140**, and the grayscale version is **11.9636, 12.5866, 13.7068**.

A 20% lighter version of the original color is **31.0714, 29.8962, 25.9627**, and **3.8526, 3.3960, 2.2862** is the 20% darker color. If you saturate the color by 10%, you get **11.9705, 10.6228, 7.3809**, and if you desaturate by 10%, it is **14.4731, 14.1429, 12.7937**.

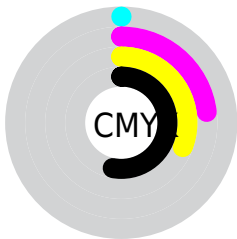
Distribution



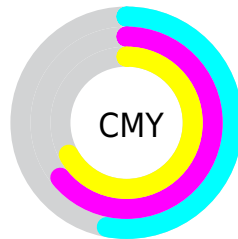
- Red (47%)
- Green (36%)
- Blue (33%)



- Red (47%)
- Yellow (37%)
- Blue (33%)



- Cyan (0%)
- Magenta (23%)
- Yellow (31%)
- Black (53%)





- Cyan (53%)
- Magenta (64%)
- Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.1342, 12.2719, 9.8601 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 13.1342, 12.2719, 9.8601 by changing the saturation by 10% instead.


 13.1342, 12.2719,
9.8601


 13.1342, 12.2719,
9.8601

205.3962,
206.1971, 200.1191


 7.5987, 6.9291,
5.2019


 31.1439, 29.9894,
26.1357


 3.8889, 3.4178,
2.3054

 44.3488, 43.1328,
38.5902


 1.6395, 1.3536,
0.7342

 60.8409, 59.6453,
54.4806

 0.4179, 0.1821,
0.0000

 80.9855, 79.9113,
74.2253

 0.0000, 0.0000,
0.0000

 105.1480,
104.3150, 98.2430

133.6937,

133.2410, 126.9522

166.9880,
167.0736, 160.7713

■ 13.1342, 12.2719,
9.8601

■ 13.1342, 12.2719,
9.8601

■ 11.9705, 10.6228,
7.3809

■ 14.4731, 14.1429,
12.7937

■ 10.9735, 9.1854,
5.3324

■ 15.9932, 16.2419,
16.2022

■ 10.1355, 7.9517,
3.6900

■ 17.7015, 18.5768,
20.1058

■ 9.4479, 6.9121,
2.4264

■ 19.6041, 21.1548,
24.5231

■ 8.9011, 6.0563,
1.5105

■ 21.7070, 23.9828,
29.4720

■ 8.4841, 5.3731,
0.9066

■ 24.0160, 27.0672,
34.9694

■ 8.1900, 4.8815,
0.5106

■ 26.5365, 30.4143,
41.0316

■ 29.2737, 34.0302,
47.6739

■ 32.2329, 37.9208,
54.9113

Harmonies

Analogous

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



13.6662, 12.2719, 12.0830



13.1342, 12.2719, 9.8601



12.2216, 12.2719, 8.6815

Triad

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



13.1342, 12.2719, 9.8601



9.8886, 12.2719, 11.8509



12.1319, 12.2719, 19.5659

Complementary

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



13.1342, 12.2719, 9.8601



12.6417, 14.5635, 19.9140

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.



11.1238, 12.2719, 19.4797



13.1342, 12.2719, 9.8601



9.8677, 12.2719, 14.7283

Square

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



13.1342, 12.2719, 9.8601



10.3669, 12.2719, 9.7116



10.3080, 12.2719, 17.6081



13.0652, 12.2719, 17.8288

Rectangle

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



13.1342, 12.2719, 9.8601



11.5393, 12.2719, 8.5219



10.3080, 12.2719, 17.6081



11.7897, 12.2719, 19.7561

Sweetspot

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



13.1345, 12.2725, 9.8603



28.5910, 29.2002, 29.5439



13.7285, 11.3355, 16.6095



6.6932, 6.8069, 6.8143



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.



13.1345, 12.2725, 9.8603



21.6220, 19.4932, 14.1774



14.8974, 15.7983, 10.4480



4.0702, 4.1589, 4.2127



8.9247, 5.3052, 0.5536



41.9995, 24.1625, 2.4502

Inverse Universe

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



12.6417, 14.5635, 19.9140



20.6050, 24.1929, 34.8368



10.8602, 11.0005, 19.3202



4.0284, 4.3551, 5.0715



7.7501, 9.5826, 20.8264



36.2785, 44.3296, 99.1142

Previews

White Background



This preview shows how the XYZ color 13.1342, 12.2719, 9.8601 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 13.1342, 12.2719, 9.8601 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

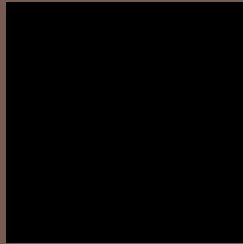
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 13.1342, 12.2719, 9.8601

Background



This preview shows how black text looks on a background with the XYZ color 13.1342, 12.2719, 9.8601.



This preview shows how white text looks on a background with the XYZ color 13.1342, 12.2719,

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

13.1342, 12.2719, 9.8601

Protanopia

11.6409, 12.2908, 10.5629

Deuteranopia

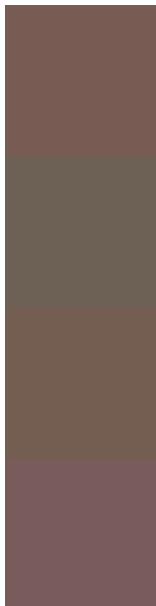
12.5546, 12.3710, 9.7088



Tritanopia

13.6990, 12.2403, 12.9499

Trichromacy



Original Color

13.1342, 12.2719, 9.8601

Protanomaly

12.1292, 12.2728, 10.3239

Deuteranomaly

12.7282, 12.3276, 9.6913

Tritanomaly

13.5580, 12.3198, 11.7886

Monochromacy



Original Color

13.1342, 12.2719, 9.8601

Achromatopsia

11.8596, 12.4772, 13.5877

Achromatomaly

12.2221, 12.2819, 12.0824

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.1342, 12.2719, 9.8601 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, 92, 83)` looks like.

```
.text, #text, p{  
    color:rgb(120, 92, 83)  
}
```

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, 92, 83) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 92, 83) }
```

Border

The CSS property to change the border of an element to XYZ 13.1342, 12.2719, 9.8601 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, 92, 83) }
```


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

```
.border{ border-color:rgb(120, 92, 83) }
```

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

Here you see how a box with a 4 pixel rgb(120, 92, 83) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 92, 83); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 92, 83);  
box-shadow:4px 4px 4px 4px rgb(120, 92,  
83) }
```

Background

The CSS property to change the background color of an element to XYZ 13.1342, 12.2719, 9.8601 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 92, 83) }
```

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

```
.background{ background-color: rgb(120, 92,  
83) }
```

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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