

Converting Colors

XYZ(13.2712, 12.0730, 10.2943)

Have a look what the booklet for
XYZ(13.2712, 12.0730, 10.2943)
contains.

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Color

**XYZ(13.3219, 12.1058,
10.2288)**

Conversions

Conversions Part 1

Format	Color
Hex	7A5A55
RGB	122, 90, 85
RGB Percent	48%, 35%, 33%
CMY	0.5216, 0.6470, 0.6667
CMYK	0.00, 0.26, 0.30, 0.52
HSL	8°, 18%, 41%
HSV	8°, 30%, 48%
XYZ	13.3219, 12.1058, 10.2288
YIQ	98.9980, 20.6770, 5.2290

Conversions

Conversions Part 2

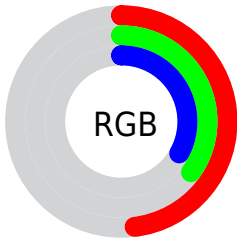
Format	Color
RYB	122, 91, 85
Decimal	8018517
CIELab	41.38, 12.38, 8.02
CIElCh	41, 14.751, 32.932
Yxy	12.1058, 0.3736, 0.3395
Android (android.graphics.Color)	4286208597 (0xFF7A5A55)
YUV	98.9980, -6.9010, 20.1728
Hunter-Lab	34.7934, 7.4567, 6.9249

Details

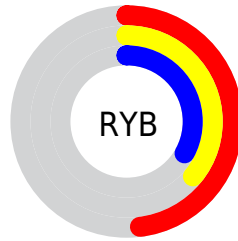
The XYZ color **13.3219, 12.1058, 10.2288** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **13.6202, 16.0584, 20.7941**, and the grayscale version is **11.8727, 12.4910, 13.6027**.

A 20% lighter version of the original color is **31.4305, 29.6194, 26.9822**, and **3.9562, 3.3323, 2.4422** is the 20% darker color. If you saturate the color by 10%, you get **12.0508, 10.2735, 7.6165**, and if you desaturate by 10%, it is **14.8036, 14.2253, 13.3239**.

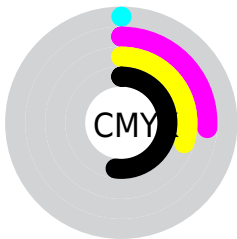
Distribution



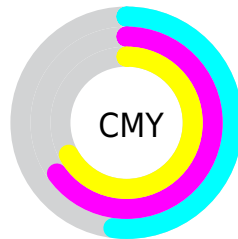
- Red (48%)
- Green (35%)
- Blue (33%)



- Red (48%)
- Yellow (36%)
- Blue (33%)



- Cyan (0%)
- Magenta (26%)
- Yellow (30%)
- Black (52%)



- Cyan (52%)
- Magenta (65%)
- Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.3219, 12.1058, 10.2288 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 13.3219, 12.1058, 10.2288 by changing the saturation by 10% instead.

■ 13.3219, 12.1058,
10.2288

■ 13.3219, 12.1058,
10.2288

206.5667,
205.1045, 202.8411

■ 7.7291, 6.8158,
5.4433

■ 31.4773, 29.6877,
26.8395

■ 3.9724, 3.3472,
2.4464

■ 44.7706, 42.7483,
39.5018

■ 1.6866, 1.3155,
0.8116

■ 61.3615, 59.1679,
55.6268

■ 0.4478, 0.1532,
0.0000

■ 81.6153, 79.3308,
75.6330

■ 0.0000, 0.0000,
0.0000

■ 105.8974,
103.6216, 99.9390

134.5730,

132.4245, 128.9634

168.0077,
166.1240, 163.1245

■ 13.3219, 12.1058,
10.2288

■ 13.3219, 12.1058,
10.2288

■ 12.0508, 10.2735,
7.6165

■ 14.8036, 14.2253,
13.3239

■ 10.9798, 8.7145,
5.4620

■ 16.5038, 16.6420,
16.9237

■ 10.0987, 7.4160,
3.7390

■ 18.4314, 19.3672,
21.0497

■ 9.3964, 6.3639,
2.4183

■ 20.5943, 22.4114,
25.7218

■ 8.8603, 5.5424,
1.4670

■ 23.0002, 25.7845,
30.9590

■ 8.4763, 4.9339,
0.8470

■ 25.6563, 29.4958,
36.7794

■ 8.2188, 4.5230,
0.4399

■ 28.5695, 33.5546,
43.2001

■ 31.7465, 37.9694,
50.2377

■ 35.1938, 42.7487,
57.9081

Harmonies

Analogous

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



13.6869, 12.1058, 12.8818



13.3219, 12.1058, 10.2288



12.4686, 12.1058, 8.5975

Triad

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



13.3219, 12.1058, 10.2288



9.7687, 12.1058, 10.6763



11.6118, 12.1058, 19.9892

Complementary

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



13.3219, 12.1058, 10.2288



13.6202, 16.0584, 20.7941

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.



10.5947, 12.1058, 19.1588



13.3219, 12.1058, 10.2288



9.5703, 12.1058, 13.4851

Square

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



13.3219, 12.1058, 10.2288



10.4230, 12.1058, 8.8263



9.8635, 12.1058, 16.6531



12.6620, 12.1058, 18.7744

Rectangle

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



13.3219, 12.1058, 10.2288



11.7613, 12.1058, 8.1534



9.8635, 12.1058, 16.6531



11.2548, 12.1058, 19.9403

Sweetspot

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



13.3222, 12.1064, 10.2290



29.3917, 29.7835, 30.5336



14.4894, 11.9206, 18.3875



6.6324, 6.6853, 6.7940



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.



13.3222, 12.1064, 10.2290



21.9340, 19.1341, 14.8964



15.0742, 15.6103, 10.8130



4.0380, 4.0945, 4.2020



8.6490, 4.7539, 0.4617



40.8839, 21.9313, 2.0783

Inverse Universe

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



13.6202, 16.0584, 20.7941



22.5386, 27.1913, 36.4534



11.6802, 12.1783, 20.1474



4.0631, 4.4245, 5.0830



9.0669, 12.2161, 21.2654



42.7954, 57.3634, 101.2865

Previews

White Background



This preview shows how the XYZ color 13.3219, 12.1058, 10.2288 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 13.3219, 12.1058, 10.2288 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

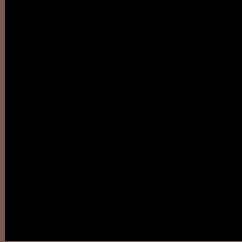
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 13.3219, 12.1058, 10.2288

Background



This preview shows how black text looks on a background with the XYZ color 13.3219, 12.1058, 10.2288.

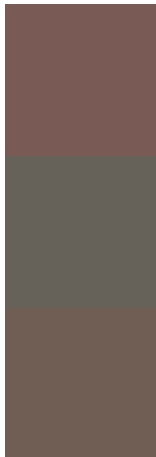


This preview shows how white text looks on a background with the XYZ color 13.3219, 12.1058,

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

13.3219, 12.1058, 10.2288

Protanopia

11.6503, 12.2814, 11.2077

Deuteranopia

12.2850, 12.0902, 10.0737



Tritanopia

13.7237, 12.0166, 12.4226

Trichromacy



Original Color

13.3219, 12.1058, 10.2288

Protanomaly

12.1603, 12.1402, 10.9349

Deuteranomaly

12.7170, 12.1818, 10.0686

Tritanomaly

13.6291, 12.1110, 11.5169

Monochromacy



Original Color

13.3219, 12.1058, 10.2288

Achromatopsia

11.8596, 12.4772, 13.5877

Achromatomaly

12.2667, 12.2997, 12.3172

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.3219, 12.1058, 10.2288 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(122, 90, 85)` looks like.

```
.text, #text, p{  
    color:rgb(122, 90, 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(122, 90, 85) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 90, 85) }
```

Border

The CSS property to change the border of an element to XYZ 13.3219, 12.1058, 10.2288 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(122, 90, 85) }
```


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

```
.border{ border-color:rgb(122, 90, 85) }
```

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

Here you see how a box with a 4 pixel `rgb(122, 90, 85)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 90, 85); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 90, 85);  
box-shadow:4px 4px 4px 4px rgb(122, 90,  
85) }
```

Background

The CSS property to change the background color of an element to XYZ 13.3219, 12.1058, 10.2288 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 90, 85) }
```

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

```
.background{ background-color: rgb(122, 90,  
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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