

Converting Colors

XYZ(12.8817, 13.1345, 12.7658)

Have a look what the booklet for
XYZ(12.8817, 13.1345, 12.7658)
contains.

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Color

**XYZ(12.9294, 13.1918,
12.6913)**

Conversions

Conversions Part 1

Format	Color
Hex	6D645F
RGB	109, 100, 95
RGB Percent	43%, 39%, 37%
CMY	0.5725, 0.6078, 0.6274
CMYK	0.00, 0.08, 0.13, 0.57
HSL	21°, 7%, 40%
HSV	21°, 13%, 43%
XYZ	12.9294, 13.1918, 12.6913
YIQ	102.1210, 6.9690, 0.3530

Conversions

Conversions Part 2

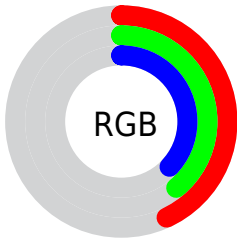
Format	Color
R_{YB}	109, 103, 95
Decimal	7169119
CIE Lab	43.05, 2.62, 4.12
CIE LCh	43, 4.878, 57.531
Yxy	13.1918, 0.3331, 0.3399
Android (android.graphics.Color)	4285359199 (0xFF6D645F)
YUV	102.1210, -3.5107, 6.0329
Hunter-Lab	36.3205, -0.0184, 4.7069

Details

The XYZ color **12.9294, 13.1918, 12.6913** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **12.4299, 13.4373, 16.4066**, and the grayscale version is **12.6689, 13.3286, 14.5149**.

A 20% lighter version of the original color is **30.8754, 31.7546, 31.2900**, and **3.7519, 3.7601, 3.4337** is the 20% darker color. If you saturate the color by 10%, you get **11.8250, 11.7212, 10.0474**, and if you desaturate by 10%, it is **14.1616, 14.8069, 15.7203**.

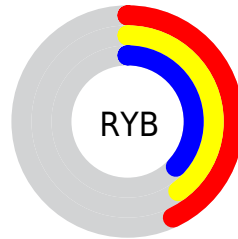
Distribution



Red (43%)

Green (39%)

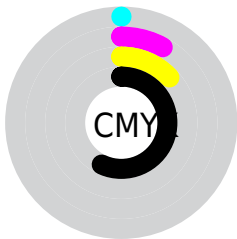
Blue (37%)



Red (43%)

Yellow (40%)

Blue (37%)

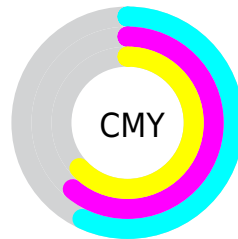


Cyan (0%)

Magenta (8%)

Yellow (13%)

Black (57%)



Cyan (57%)

Magenta (61%)

Yellow (63%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.9294, 13.1918, 12.6913 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 12.9294, 13.1918, 12.6913 by changing the saturation by 10% instead.

■ 12.9294, 13.1918,
12.6913

■ 12.9294, 13.1918,
12.6913

204.1115,
212.1433, 220.0676

■ 7.4566, 7.5608,
7.0881

■ 30.7793, 31.6479,
31.4311

■ 3.7981, 3.8152,
3.4380

■ 43.8871, 45.2418,
45.4047

■ 1.5886, 1.5707,
1.3224

■ 60.2706, 62.2587,
63.0056

■ 0.3849, 0.3377,
0.0800

■ 80.2952, 83.0832,
84.6523

■ 0.0000, 0.0000,
0.0000

104.3262,
108.0994, 110.7633

132.7291,

137.6919, 141.7571

165.8690,
172.2451, 178.0524

■ 12.9294, 13.1918,
12.6913

■ 12.9294, 13.1918,
12.6913

■ 11.8250, 11.7212,
10.0474

■ 14.1616, 14.8069,
15.7203

■ 10.8432, 10.3893,
7.7721

■ 15.5247, 16.5686,
19.1481

■ 9.9795, 9.1924,
5.8492

■ 17.0230, 18.4812,
22.9890

■ 9.2293, 8.1262,
4.2606

■ 18.6601, 20.5483,
27.2562

■ 8.5872, 7.1857,
2.9868

■ 20.4397, 22.7734,
31.9623

■ 8.0476, 6.3661,
2.0064

■ 22.3652, 25.1597,
37.1195

■ 7.6040, 5.6619,
1.2949

■ 24.4399, 27.7106,
42.7392

■ 7.2487, 5.0667,
0.8199

■ 26.6671, 30.4292,
48.8329

■ 7.0305, 4.6988,
0.5364

■ 29.0498, 33.3184,
55.4112

Harmonies

Analogous

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



13.1886, 13.1918, 13.4303



12.9294, 13.1918, 12.6913



12.5695, 13.1918, 12.3982

Triad

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



12.9294, 13.1918, 12.6913



11.8319, 13.1918, 14.2749



12.8746, 13.1918, 16.2732

Complementary

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



12.9294, 13.1918, 12.6913



12.4299, 13.4373, 16.4066

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.



12.5074, 13.1918, 16.5265



12.9294, 13.1918, 12.6913



11.9100, 13.1918, 15.3392

Square

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



12.9294, 13.1918, 12.6913



11.9400, 13.1918, 13.2836



12.1554, 13.1918, 16.1768



13.1565, 13.1918, 15.5007

Rectangle

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



12.9294, 13.1918, 12.6913



12.3225, 13.1918, 12.4836



12.1554, 13.1918, 16.1768



12.7568, 13.1918, 16.4236

Sweetspot

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



12.9298, 13.1924, 12.6916



25.0661, 26.1331, 27.4231



12.9028, 12.4373, 14.8441



5.8008, 6.0393, 6.3016



54.2243, 57.0482, 62.1254



6.0569, 6.3724, 6.9395

Same Dimension

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



12.9298, 13.1924, 12.6916



22.6223, 22.9210, 21.4434



13.6196, 14.5721, 12.9215



3.1801, 3.2774, 3.2824



8.2014, 5.4525, 0.6202



41.0328, 26.2693, 2.9078

Inverse Universe

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



12.4299, 13.4373, 16.4066



21.5657, 23.4384, 29.2947



11.7637, 12.1051, 16.1846



3.0953, 3.3189, 3.9124



5.7710, 6.3763, 17.8488



28.5638, 30.8061, 90.6669

Previews

White Background



This preview shows how the XYZ color 12.9294, 13.1918, 12.6913 looks on a white background.

Color Contrast Check

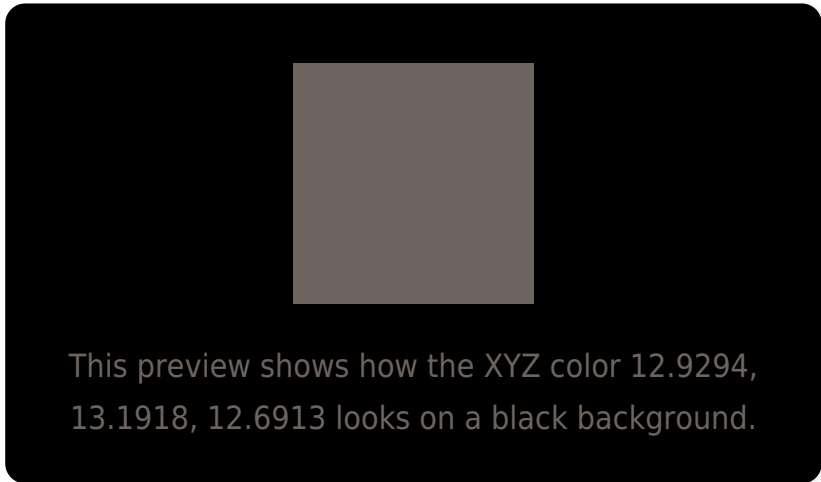
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



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 12.9294, 13.1918, 12.6913

Background



This preview shows how black text looks on a background with the XYZ color 12.9294, 13.1918, 12.6913.



This preview shows how white text looks on a background with the XYZ color 12.9294, 13.1918,

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

12.9294, 13.1918, 12.6913

Protanopia

12.5907, 13.1551, 12.9419

Deuteranopia

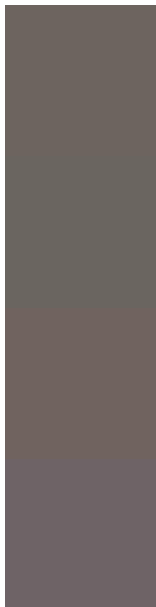
13.3727, 13.1390, 12.6577



Tritanopia

13.3996, 13.0910, 15.4562

Trichromacy



Original Color

12.9294, 13.1918, 12.6913

Protanomaly

12.7089, 13.2161, 12.9475

Deuteranomaly

13.2095, 13.1946, 12.6771

Tritanomaly

13.2905, 13.1980, 14.4174

Monochromacy



Original Color

12.9294, 13.1918, 12.6913

Achromatopsia

12.6291, 13.2868, 14.4694

Achromatomaly

12.7315, 13.2115, 13.6834

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.9294, 13.1918, 12.6913 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(109, 100, 95)` looks like.

```
.text, #text, p{  
    color:rgb(109, 100, 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(109, 100, 95) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 100, 95) }
```

Border

The CSS property to change the border of an element to XYZ 12.9294, 13.1918, 12.6913 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(109, 100, 95) }
```


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

```
.border{ border-color:rgb(109, 100, 95) }
```

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

Here you see how a box with a 4 pixel `rgb(109, 100, 95)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(109, 100, 95); -webkit-box-  
shadow:4px 4px 4px 4px rgb(109, 100, 95);  
box-shadow:4px 4px 4px 4px rgb(109, 100,  
95) }
```

Background

The CSS property to change the background color of an element to XYZ 12.9294, 13.1918, 12.6913 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 100, 95) }
```

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

```
.background{ background-color: rgb(109,  
100, 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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