

Converting Colors

XYZ(13.9586, 12.4291, 8.3741)

Have a look what the booklet for
XYZ(13.9586, 12.4291, 8.3741)
contains.

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Color

**XYZ(13.9794, 12.4875,
8.3301)**

Conversions

Conversions Part 1

Format	Color
Hex	815A4B
RGB	129, 90, 75
RGB Percent	51%, 35%, 29%
CMY	0.4941, 0.6470, 0.7059
CMYK	0.00, 0.30, 0.42, 0.49
HSL	17°, 26%, 40%
HSV	17°, 42%, 51%
XYZ	13.9794, 12.4875, 8.3301
YIQ	99.9510, 28.0590, 3.6030

Conversions

Conversions Part 2

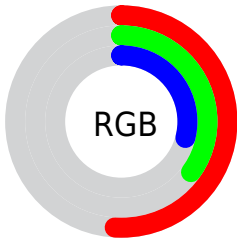
Format	Color
R_{YB}	129, 96, 75
Decimal	8477259
CIE Lab	41.98, 14.01, 15.06
CIE LCh	42, 20.573, 47.070
Yxy	12.4875, 0.4017, 0.3589
Android (android.graphics.Color)	4286667339 (0xFF815A4B)
YUV	99.9510, -12.3008, 25.4760
Hunter-Lab	35.3377, 8.7728, 10.7600

Details

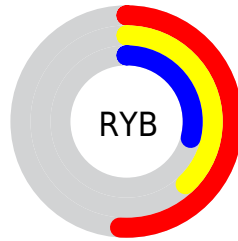
The XYZ color **13.9794, 12.4875, 8.3301** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **12.8810, 15.1146, 23.0072**, and the grayscale version is **12.1263, 12.7578, 13.8932**.

A 20% lighter version of the original color is **32.5446, 30.2787, 23.1979**, and **4.2899, 3.5200, 1.7496** is the 20% darker color. If you saturate the color by 10%, you get **12.8448, 10.8546, 5.9901**, and if you desaturate by 10%, it is **15.3027, 14.3544, 11.1751**.

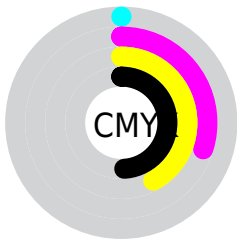
Distribution



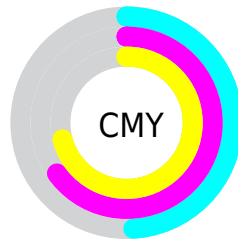
- Red (51%)
- Green (35%)
- Blue (29%)



- Red (51%)
- Yellow (38%)
- Blue (29%)



- Cyan (0%)
- Magenta (30%)
- Yellow (42%)
- Black (49%)



- Cyan (49%)
- Magenta (65%)
- Yellow (71%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.9794, 12.4875, 8.3301 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 13.9794, 12.4875, 8.3301 by changing the saturation by 10% instead.

■ 13.9794, 12.4875,
8.3301

■ 13.9794, 12.4875,
8.3301

210.6158,
207.6065, 188.3289

■ 8.1879, 7.0766,
4.2161

■ 32.6390, 30.3799,
23.1598

■ 4.2683, 3.5101,
1.7446

■ 46.2379, 43.6302,
34.7127

■ 1.8550, 1.4035,
0.3911

■ 63.1700, 60.2625,
49.5822

■ 0.5505, 0.2193,
0.0000

■ 83.8007, 80.6611,
68.1869

■ 0.0000, 0.0000,
0.0000

■ 108.4952,
105.2104, 90.9454

137.6190,

134.2948, 118.2762

171.5374,
168.2987, 150.5979

■ 13.9794, 12.4875,
8.3301

■ 13.9794, 12.4875,
8.3301

■ 12.8448, 10.8546,
5.9901

■ 15.3027, 14.3544,
11.1751

■ 11.8888, 9.4445,
4.1244

■ 16.8222, 16.4624,
14.5517

■ 11.1020, 8.2477,
2.7001


■ 18.5461, 18.8206,
18.4856


■ 10.4732, 7.2532,
1.6798


■ 20.4819, 21.4368,
23.0006

■ 9.9902, 6.4489,
1.0199


■ 22.6365, 24.3188,
28.1191

 9.6793, 5.9193,
0.6324

 25.0168, 27.4737,
33.8624

 27.6291, 30.9087,
40.2506

 30.4797, 34.6305,
47.3029

 33.5745, 38.6457,
55.0378

Harmonies

Analogous

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



14.8972, 12.4875, 11.2785



13.9794, 12.4875, 8.3301



12.5370, 12.4875, 6.9465

Triad

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



13.9794, 12.4875, 8.3301



9.2353, 12.4875, 11.8036



12.7503, 12.4875, 23.3036

Complementary

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



13.9794, 12.4875, 8.3301



12.8810, 15.1146, 23.0072

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.



11.2251, 12.4875, 23.5291



13.9794, 12.4875, 8.3301



9.2817, 12.4875, 16.2127

Square

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



13.9794, 12.4875, 8.3301



9.8496, 12.4875, 8.6432



9.9825, 12.4875, 20.7157



14.1470, 12.4875, 20.1531

Rectangle

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



13.9794, 12.4875, 8.3301



11.5119, 12.4875, 6.8517



9.9825, 12.4875, 20.7157



12.2334, 12.4875, 23.7445

Sweetspot

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



13.9797, 12.4881, 8.3303



32.7431, 33.0654, 32.0227



14.6408, 10.9279, 17.4368



7.2743, 7.2974, 6.9337



62.3462, 65.5931, 71.4309



8.4577, 8.8982, 9.6901

Same Dimension

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



13.9797, 12.4881, 8.3303



23.1317, 19.6266, 10.9875



16.6148, 17.7583, 9.2087



4.4175, 4.5238, 4.5605



9.4407, 5.7778, 0.6176



0.0000, 0.0000, 0.0000

Inverse Universe

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



12.8810, 15.1146, 23.0072



20.8785, 24.9562, 40.9091



10.3211, 9.9949, 22.1540



4.3486, 4.6912, 5.4896



7.6971, 9.2126, 21.6225



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 13.9794, 12.4875, 8.3301 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 13.9794, 12.4875, 8.3301 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

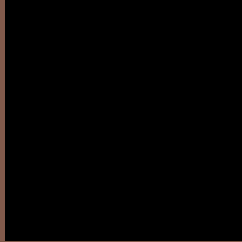
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 13.9794, 12.4875, 8.3301

Background



This preview shows how black text looks on a background with the XYZ color 13.9794, 12.4875, 8.3301.

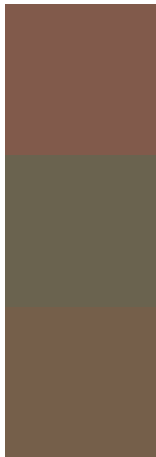


This preview shows how white text looks on a background with the XYZ color 13.9794, 12.4875,

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

13.9794, 12.4875, 8.3301

Protanopia

11.8170, 12.5524, 9.1972

Deuteranopia

12.6644, 12.4607, 8.2162



Tritanopia

14.7886, 12.4498, 12.2133

Trichromacy



Original Color

13.9794, 12.4875, 8.3301

Protanomaly

12.4974, 12.4932, 8.9605

Deuteranomaly

13.0355, 12.3881, 8.1827

Tritanomaly

14.4159, 12.4134, 10.6530

Monochromacy



Original Color

13.9794, 12.4875, 8.3301

Achromatopsia

12.1130, 12.7438, 13.8780

Achromatomaly

12.6267, 12.5006, 11.6449

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.9794, 12.4875, 8.3301 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(129, 90, 75)` looks like.

```
.text, #text, p{  
    color:rgb(129, 90, 75)  
}
```

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(129, 90, 75) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 90, 75) }
```

Border

The CSS property to change the border of an element to XYZ 13.9794, 12.4875, 8.3301 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(129, 90, 75) }
```


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

```
.border{ border-color:rgb(129, 90, 75) }
```

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

Here you see how a box with a 4 pixel rgb(129, 90, 75) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 90, 75); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 90, 75);  
box-shadow:4px 4px 4px 4px rgb(129, 90,  
75) }
```

Background

The CSS property to change the background color of an element to XYZ 13.9794, 12.4875, 8.3301 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 90, 75) }
```

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

```
.background{ background-color: rgb(129, 90,  
75) }
```

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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