

Converting Colors

XYZ(17.9608, 17.8439, 12.9776)

Have a look what the booklet for
XYZ(17.9608, 17.8439, 12.9776)
contains.

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Color

**XYZ(17.9172, 17.7693,
13.0752)**

Conversions

Conversions Part 1

Format	Color
Hex	87715E
RGB	135, 113, 94
RGB Percent	53%, 44%, 37%
CMY	0.4706, 0.5568, 0.6314
CMYK	0.00, 0.16, 0.30, 0.47
HSL	28°, 18%, 45%
HSV	28°, 30%, 53%
XYZ	17.9172, 17.7693, 13.0752
YIQ	117.4120, 19.2110, -1.2450

Conversions

Conversions Part 2

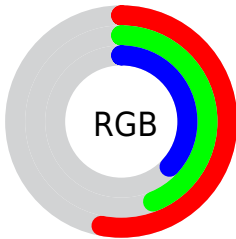
Format	Color
RYB	135, 129, 94
Decimal	8876382
CIELab	49.22, 5.59, 13.77
CIELCh	49, 14.860, 67.897
Yxy	17.7693, 0.3674, 0.3644
Android (android.graphics.Color)	4287066462 (0xFF87715E)
YUV	117.4120, -11.5421, 15.4247
Hunter-Lab	42.1536, 2.1017, 11.1170

Details

The XYZ color **17.9172, 17.7693, 13.0752** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **15.2346, 16.6193, 25.3267**, and the grayscale version is **17.0674, 17.9562, 19.5543**.

A 20% lighter version of the original color is **39.4754, 39.7427, 31.9761**, and **6.0800, 5.8788, 3.6106** is the 20% darker color. If you saturate the color by 10%, you get **16.5877, 15.9963, 9.9002**, and if you desaturate by 10%, it is **19.4182, 19.7153, 16.8306**.

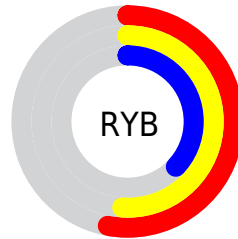
Distribution



Red (53%)

Green (44%)

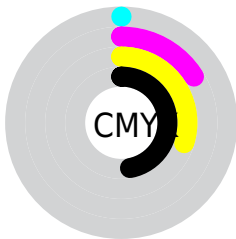
Blue (37%)



Red (53%)

Yellow (51%)

Blue (37%)

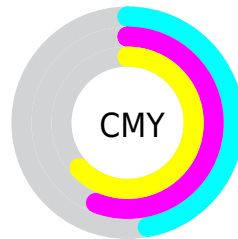


Cyan (0%)

Magenta (16%)

Yellow (30%)

Black (47%)



Cyan (47%)

Magenta (56%)

Yellow (63%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.9172, 17.7693, 13.0752 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 17.9172, 17.7693, 13.0752 by changing the saturation by 10% instead.

■ 17.9172, 17.7693,
13.0752

■ 17.9172, 17.7693,
13.0752

233.4585,
239.5675, 222.6238

■ 10.9899, 10.7845,
7.3490

■ 39.4274, 39.6438,
32.1320

■ 6.1273, 5.9221,
3.5996

■ 54.7409, 55.3023,
46.2997

■ 2.9640, 2.7978,
1.4083

■ 73.5806, 74.6208,
64.1183

■ 1.1348, 1.0271,
0.1482

■ 96.3118, 97.9838,
86.0063

■ 0.0539, 0.0000,
0.0000

123.2999,
125.7755, 112.3823

■ 0.0000, 0.0000,
0.0000

154.9101,

158.3804, 143.6649

191.5079,
196.1830, 180.2725

■ 17.9172, 17.7693,
13.0752

■ 17.9172, 17.7693,
13.0752

■ 16.5877, 15.9963,
9.9002

■ 19.4182, 19.7153,
16.8306

■ 15.4211, 14.3887,
7.2749

■ 21.0957, 21.8369,
21.1926

■ 14.4105, 12.9418,
5.1674

■ 22.9565, 24.1396,
26.1875

■ 13.5475, 11.6496,
3.5422

■ 25.0065, 26.6278,
31.8392

■ 12.8229, 10.5059,
2.3589

■ 27.2511, 29.3060,
38.1708

■ 12.2262, 9.5036,
1.5708

■ 29.6958, 32.1783,
45.2040

■ 11.7455, 8.6585,
1.0522

■ 32.3456, 35.2487,
52.9597

■ 35.2056, 38.5213,
61.4578

■ 38.2804, 41.9998,
70.7175

Harmonies

Analogous

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



19.0922, 17.7693, 15.0080



17.9172, 17.7693, 13.0752



16.5238, 17.7693, 12.7007

Triad

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



17.9172, 17.7693, 13.0752



14.3726, 17.7693, 20.4210



18.5885, 17.7693, 26.0543

Complementary

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



17.9172, 17.7693, 13.0752



15.2346, 16.6193, 25.3267

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.



17.2599, 17.7693, 27.9841



17.9172, 17.7693, 13.0752



14.8625, 17.7693, 24.4525

Square

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



17.9172, 17.7693, 13.0752



14.5271, 17.7693, 16.6025



15.9013, 17.7693, 27.3609



19.4944, 17.7693, 22.3800

Rectangle

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



17.9172, 17.7693, 13.0752



15.6667, 17.7693, 13.3292



15.9013, 17.7693, 27.3609



18.1737, 17.7693, 26.9500

Sweetspot

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



17.9177, 17.7701, 13.0756



38.1504, 39.5704, 38.9374



17.1790, 14.4303, 18.5713



8.7399, 9.0450, 8.7652



65.7814, 69.2071, 75.3665



9.5508, 10.0482, 10.9424

Same Dimension

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



17.9177, 17.7701, 13.0756



30.5197, 29.7435, 19.6398



20.3929, 22.7205, 13.9006



4.8372, 5.0181, 4.9430



10.8439, 8.0105, 0.9746



0.0447, 0.0421, 0.0058

Inverse Universe

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



15.2346, 16.6193, 25.3267



24.9617, 27.3582, 45.0134



13.1769, 12.5041, 24.6408



4.6260, 4.9275, 5.9080



6.2087, 5.9652, 21.9609



0.0288, 0.0353, 0.0785

Previews

White Background



This preview shows how the XYZ color 17.9172, 17.7693, 13.0752 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 17.9172, 17.7693, 13.0752 looks on a black 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

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

XYZ 17.9172, 17.7693, 13.0752

Background



This preview shows how black text looks on a background with the XYZ color 17.9172, 17.7693, 13.0752.



This preview shows how white text looks on a background with the XYZ color 17.9172, 17.7693,

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

17.9172, 17.7693, 13.0752

Protanopia

16.7848, 17.8522, 13.6275

Deuteranopia

17.9679, 17.6307, 13.0457



Tritanopia

19.3272, 17.8631, 19.5688

Trichromacy



Original Color

17.9172, 17.7693, 13.0752

Protanomaly

17.2130, 17.9062, 13.3755

Deuteranomaly

17.9679, 17.6307, 13.0457

Tritanomaly

18.7613, 17.7914, 16.9132

Monochromacy



Original Color

17.9172, 17.7693, 13.0752

Achromatopsia

16.9083, 17.7888, 19.3720

Achromatomaly

17.3179, 17.8800, 17.0064

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.9172, 17.7693, 13.0752 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(135, 113, 94)` looks like.

```
.text, #text, p{  
    color:rgb(135, 113, 94)  
}
```

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(135, 113, 94) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 113, 94) }
```

Border

The CSS property to change the border of an element to XYZ 17.9172, 17.7693, 13.0752 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(135, 113, 94) }
```


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

```
.border{ border-color:rgb(135, 113, 94) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 113, 94)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 113, 94); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 113, 94);  
box-shadow:4px 4px 4px 4px rgb(135, 113,  
94) }
```

Background

The CSS property to change the background color of an element to XYZ 17.9172, 17.7693, 13.0752 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 113, 94) }
```

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

```
.background{ background-color: rgb(135,  
113, 94) }
```

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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