

Converting Colors

XYZ(17.7464, 17.8012, 12.9291)

Have a look what the booklet for
XYZ(17.7464, 17.8012, 12.9291)
contains.

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Color

**XYZ(17.8246, 17.8933,
12.8702)**

Conversions

Conversions Part 1

Format	Color
Hex	86725D
RGB	134, 114, 93
RGB Percent	53%, 45%, 36%
CMY	0.4745, 0.5529, 0.6353
CMYK	0.00, 0.15, 0.31, 0.47
HSL	31°, 18%, 45%
HSV	31°, 31%, 53%
XYZ	17.8246, 17.8933, 12.8702
YIQ	117.5860, 18.6610, -2.2910

Conversions

Conversions Part 2

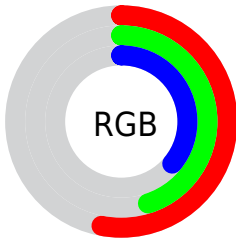
Format	Color
R_{YB}	132, 134, 93
Decimal	8811101
CIE _{Lab}	49.37, 4.44, 14.55
CIE _{LCh}	49, 15.211, 73.012
Yxy	17.8933, 0.3669, 0.3683
Android (android.graphics.Color)	4287001181 (0xFF86725D)
YUV	117.5860, -12.1209, 14.3951
Hunter-Lab	42.3005, 1.1906, 11.5710

Details

The XYZ color **17.8246, 17.8933, 12.8702** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **14.7222, 15.8581, 24.8392**, and the grayscale version is **17.1235, 18.0152, 19.6186**.

A 20% lighter version of the original color is **39.3332, 39.9470, 31.6241**, and **6.1175, 5.9865, 3.5224** is the 20% darker color. If you saturate the color by 10%, you get **16.5714, 16.2549, 9.7764**, and if you desaturate by 10%, it is **19.2354, 19.6803, 16.5301**.

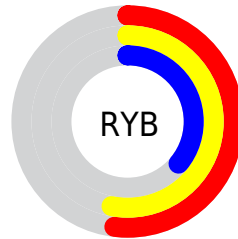
Distribution



Red (53%)

Green (45%)

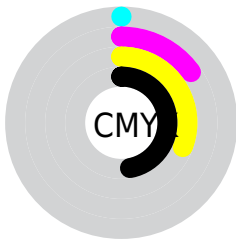
Blue (36%)



Red (52%)

Yellow (53%)

Blue (36%)

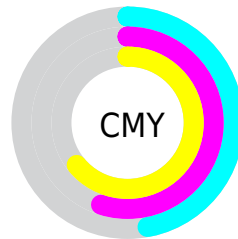


Cyan (0%)

Magenta (15%)

Yellow (31%)

Black (47%)



Cyan (47%)


Magenta (55%)


Yellow (64%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 17.8246, 17.8933, 12.8702 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 17.8246, 17.8933, 12.8702 by changing the saturation by 10% instead.


 17.8246, 17.8933,
12.8702


 17.8246, 17.8933,
12.8702

232.9453,
240.2689, 221.2626


 10.9231, 10.8734,
7.2096


 39.2707, 39.8554,
31.7582


 6.0820, 5.9818,
3.5131


 54.5459, 55.5665,
45.8225

 2.9362, 2.8340,
1.3622

 73.3430, 74.9433,
63.5253

 1.1201, 1.0457,
0.1120

 96.0275, 98.3704,
85.2848

 0.0418, 0.0000,
0.0000

122.9646,
126.2321, 111.5198

 0.0000, 0.0000,
0.0000

154.5197,

158.9128, 142.6488

191.0581,
196.7970, 179.0902

■ 17.8246, 17.8933,
12.8702

■ 17.8246, 17.8933,
12.8702

■ 16.5714, 16.2549,
9.7764

■ 19.2354, 19.6803,
16.5301

■ 15.4680, 14.7583,
7.2188

■ 20.8086, 21.6176,
20.7819

■ 14.5077, 13.3998,
5.1660

■ 22.5504, 23.7100,
25.6511

■ 13.6828, 12.1742,
3.5832

■ 24.4661, 25.9612,
31.1614

■ 12.9847, 11.0764,
2.4309

■ 26.5610, 28.3749,
37.3351

■ 12.4035, 10.1002,
1.6632

■ 28.8399, 30.9545,
44.1936

■ 11.9378, 9.2810,
1.1622

■ 31.3077, 33.7035,
51.7574

■ 33.9689, 36.6250,
60.0457

■ 36.8279, 39.7224,
69.0776

Harmonies

Analogous

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



19.1017, 17.8933, 14.5817



17.8246, 17.8933, 12.8702



16.3944, 17.8933, 12.7630

Triad

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



17.8246, 17.8933, 12.8702



14.4620, 17.8933, 21.3135



18.9561, 17.8933, 25.8391

Complementary

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



17.8246, 17.8933, 12.8702



14.7222, 15.8581, 24.8392

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.



17.6348, 17.8933, 28.2240



17.8246, 17.8933, 12.8702



15.0714, 17.8933, 25.3747

Square

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



17.8246, 17.8933, 12.8702



14.5064, 17.8933, 17.2676



16.2149, 17.8933, 28.0430



19.7797, 17.8933, 21.8797

Rectangle

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



17.8246, 17.8933, 12.8702



15.5501, 17.8933, 13.5881



16.2149, 17.8933, 28.0430



18.5523, 17.8933, 26.8749

Sweetspot

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



17.8251, 17.8941, 12.8706



37.0738, 38.5871, 37.7489



16.7548, 14.1008, 17.6095



8.2688, 8.5919, 8.2740



64.0503, 67.3860, 73.3833



8.9945, 9.4630, 10.3052

Same Dimension

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



17.8251, 17.8941, 12.8706



29.7847, 29.4176, 18.6447



20.3324, 22.9088, 13.7064



4.8551, 5.0538, 4.9490



11.1983, 8.7192, 1.0928



0.0461, 0.0448, 0.0062

Inverse Universe

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



14.7222, 15.8581, 24.8392



23.3743, 25.2117, 43.3728



12.7318, 11.8773, 24.1757



4.6080, 4.8917, 5.9021



5.8340, 5.2157, 21.8359



0.0275, 0.0326, 0.0781

Previews

White Background



This preview shows how the XYZ color 17.8246, 17.8933, 12.8702 looks on a white background.

Color Contrast Check

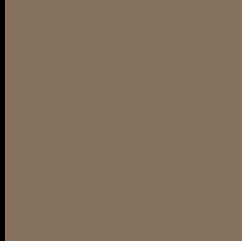
Large Text (above 18pt) WCAG AA ✓ Pass

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 17.8246, 17.8933, 12.8702 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

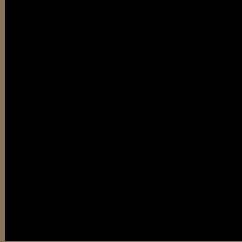
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 17.8246, 17.8933, 12.8702

Background



This preview shows how black text looks on a background with the XYZ color 17.8246, 17.8933, 12.8702.



This preview shows how white text looks on a background with the XYZ color 17.8246, 17.8933,

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

17.8246, 17.8933, 12.8702

Protanopia

16.8843, 17.9088, 13.3933

Deuteranopia

18.1974, 17.9189, 12.8555



Tritanopia

19.2222, 17.8021, 19.8758

Trichromacy



Original Color

17.8246, 17.8933, 12.8702

Protanomaly

17.1679, 17.8881, 13.1376

Deuteranomaly

18.0343, 17.8348, 12.8479

Tritanomaly

18.6523, 17.7289, 17.1908

Monochromacy



Original Color

17.8246, 17.8933, 12.8702

Achromatopsia

17.2197, 18.1164, 19.7288

Achromatomaly

17.4338, 18.1118, 17.0451

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.8246, 17.8933, 12.8702 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(134, 114, 93)` looks like.

```
.text, #text, p{  
    color:rgb(134, 114, 93)  
}
```

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(134, 114, 93) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(134, 114, 93) }
```

Border

The CSS property to change the border of an element to XYZ 17.8246, 17.8933, 12.8702 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(134, 114, 93) }
```


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

```
.border{ border-color:rgb(134, 114, 93) }
```

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

Here you see how a box with a 4 pixel `rgb(134, 114, 93)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(134, 114, 93); -webkit-box-  
shadow:4px 4px 4px 4px rgb(134, 114, 93);  
box-shadow:4px 4px 4px 4px rgb(134, 114,  
93) }
```

Background

The CSS property to change the background color of an element to XYZ 17.8246, 17.8933, 12.8702 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(134, 114, 93) }
```

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

```
.background{ background-color: rgb(134,  
114, 93) }
```

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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