

Converting Colors

XYZ(18.4896, 17.7694, 16.6767)

Have a look what the booklet for
XYZ(18.4896, 17.7694, 16.6767)
contains.

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Color

**XYZ(18.4926, 17.8219,
16.6527)**

Conversions

Conversions Part 1

Format	Color
Hex	87706C
RGB	135, 112, 108
RGB Percent	53%, 44%, 42%
CMY	0.4706, 0.5608, 0.5765
CMYK	0.00, 0.17, 0.20, 0.47
HSL	9°, 11%, 48%
HSV	9°, 20%, 53%
XYZ	18.4926, 17.8219, 16.6527
YIQ	118.4210, 14.9920, 3.6320

Conversions

Conversions Part 2

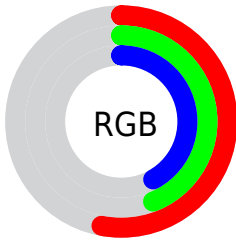
Format	Color
R_{YB}	135, 113, 108
Decimal	8876140
CIE Lab	49.28, 8.35, 5.59
CIE LCh	49, 10.052, 33.820
Yxy	17.8219, 0.3491, 0.3365
Android (android.graphics.Color)	4287066220 (0xFF87706C)
YUV	118.4210, -5.1376, 14.5398
Hunter-Lab	42.2160, 4.3135, 6.1634

Details

The XYZ color **18.4926, 17.8219, 16.6527** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **18.6737, 21.1696, 26.0237**, and the grayscale version is **17.3647, 18.2690, 19.8949**.

A 20% lighter version of the original color is **40.5197, 39.8729, 38.3615**, and **6.4220, 5.9350, 5.2220** is the 20% darker color. If you saturate the color by 10%, you get **16.6404, 15.1795, 12.7608**, and if you desaturate by 10%, it is **20.6191, 20.8345, 21.1854**.

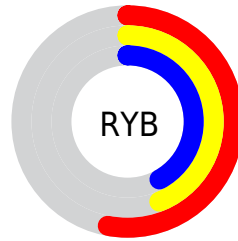
Distribution



Red (53%)

Green (44%)

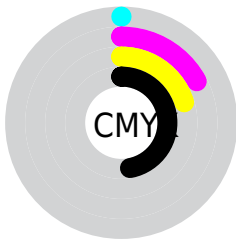
Blue (42%)



Red (53%)

Yellow (44%)

Blue (42%)

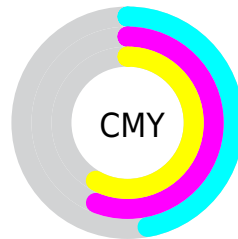


Cyan (0%)

Magenta (17%)

Yellow (20%)

Black (47%)



Cyan (47%)

Magenta (56%)

Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.4926, 17.8219, 16.6527 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 18.4926, 17.8219, 16.6527 by changing the saturation by 10% instead.

■ 18.4926, 17.8219,
16.6527

■ 18.4926, 17.8219,
16.6527

236.6254,
239.8653, 245.1388

■ 11.4060, 10.8222,
9.8279

■ 40.3985, 39.7336,
38.5101

■ 6.4099, 5.9474,
5.1809

■ 55.9485, 55.4144,
54.3797

■ 3.1389, 2.8131,
2.2932

■ 75.0504, 74.7577,
74.1014

■ 1.2277, 1.0350,
0.7274

■ 98.0695, 98.1479,
98.0936

■ 0.1280, 0.0000,
0.0000

125.3712,
125.9693, 126.7749

■ 0.0000, 0.0000,
0.0000

157.3209,

158.6064, 160.5638

194.2838,
196.4436, 199.8790

■ 18.4926, 17.8219,
16.6527

■ 18.4926, 17.8219,
16.6527

■ 16.6404, 15.1795,
12.7608

■ 20.6191, 20.8345,
21.1854

■ 15.0498, 12.8907,
9.4797

■ 23.0291, 24.2284,
26.3849

■ 13.7094, 10.9411,
6.7786

■ 25.7329, 28.0172,
32.2770

■ 12.6063, 9.3146,
4.6236

■ 28.7401, 32.2129,
38.8859

■ 11.7263, 7.9935,
2.9773

■ 32.0597, 36.8273,
46.2347

■ 11.0538, 6.9585,
1.7975

■ 35.7003, 41.8714,
54.3452

■ 10.5711, 6.1882,
1.0352

■ 39.6705, 47.3562,
63.2386

■ 10.2421, 5.6517,
0.5511

■ 43.9781, 53.2919,
72.9351

■ 10.2421, 5.6516,
0.5511

■ 48.6309, 59.6885,
83.4542

Harmonies

Analogous

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



18.8159, 17.8219, 19.0607



18.4926, 17.8219, 16.6527



17.7528, 17.8219, 15.1032

Triad

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



18.4926, 17.8219, 16.6527



15.3617, 17.8219, 17.2004



17.0604, 17.8219, 25.0686

Complementary

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



18.4926, 17.8219, 16.6527



18.6737, 21.1696, 26.0237

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.



16.1508, 17.8219, 24.4548



18.4926, 17.8219, 16.6527



15.1916, 17.8219, 19.7535

Square

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



18.4926, 17.8219, 16.6527



15.9487, 17.8219, 15.3982



15.4753, 17.8219, 22.4450



17.9698, 17.8219, 24.0528

Rectangle

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



18.4926, 17.8219, 16.6527



17.1354, 17.8219, 14.6814



15.4753, 17.8219, 22.4450



16.7445, 17.8219, 25.0465

Sweetspot

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



18.4931, 17.8227, 16.6531



38.5316, 39.5772, 41.3935



19.4783, 17.5258, 23.9715



8.8701, 9.0904, 9.4712



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.



18.4931, 17.8227, 16.6531



31.5523, 29.6885, 26.5202



20.0449, 20.9264, 17.1704



4.7242, 4.7920, 4.9053



9.4512, 5.2250, 0.5104



0.0360, 0.0247, 0.0029

Inverse Universe

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



18.6737, 21.1696, 26.0237



31.9355, 36.8116, 46.4705



17.0244, 17.8710, 25.4740



4.7444, 5.1644, 5.9475



9.6922, 12.9323, 23.1220



0.0375, 0.0527, 0.0814

Previews

White Background



This preview shows how the XYZ color 18.4926, 17.8219, 16.6527 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 18.4926, 17.8219, 16.6527 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

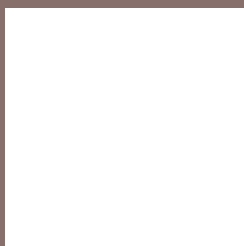
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 18.4926, 17.8219, 16.6527

Background



This preview shows how black text looks on a background with the XYZ color 18.4926, 17.8219, 16.6527.



This preview shows how white text looks on a background with the XYZ color 18.4926, 17.8219,

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

18.4926, 17.8219, 16.6527

Protanopia

17.1157, 17.9352, 17.5987

Deuteranopia

18.1276, 17.7985, 16.6674



Tritanopia

19.0590, 17.7180, 19.8682

Trichromacy



Original Color

18.4926, 17.8219, 16.6527

Protanomaly

17.5494, 17.8229, 17.2671

Deuteranomaly

18.2848, 17.8795, 16.6747

Tritanomaly

18.9323, 17.8409, 18.6655

Monochromacy



Original Color

18.4926, 17.8219, 16.6527

Achromatopsia

17.2197, 18.1164, 19.7288

Achromatomaly

17.5948, 17.9908, 18.4648

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.4926, 17.8219, 16.6527 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, 112, 108)` looks like.

```
.text, #text, p{  
    color:rgb(135, 112, 108)  
}
```

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, 112, 108) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 112, 108) }
```

Border

The CSS property to change the border of an element to XYZ 18.4926, 17.8219, 16.6527 is called "border". The border property can be set on classes, ids or directly on the HTML element.

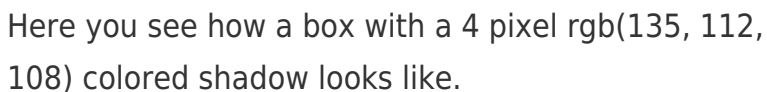
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(135, 112, 108) }
```


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

```
.border{ border-color:rgb(135, 112, 108) }
```

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



Here you see how a box with a 4 pixel `rgb(135, 112, 108)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 112, 108); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 112, 108);  
box-shadow:4px 4px 4px 4px rgb(135, 112,  
108) }
```

Background

The CSS property to change the background color of an element to XYZ 18.4926, 17.8219, 16.6527 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 112, 108) }
```

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

```
.background{ background-color: rgb(135,  
112, 108) }
```

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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