

Converting Colors

XYZ(16.8161, 16.5862, 13.4477)

Have a look what the booklet for
XYZ(16.8161, 16.5862, 13.4477)
contains.

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Color

**XYZ(16.7859, 16.5276,
13.3718)**

Conversions

Conversions Part 1

Format	Color
Hex	826D60
RGB	130, 109, 96
RGB Percent	51%, 43%, 38%
CMY	0.4902, 0.5725, 0.6235
CMYK	0.00, 0.16, 0.26, 0.49
HSL	23°, 15%, 44%
HSV	23°, 26%, 51%
XYZ	16.7859, 16.5276, 13.3718
YIQ	113.7970, 16.6890, 0.4090

Conversions

Conversions Part 2

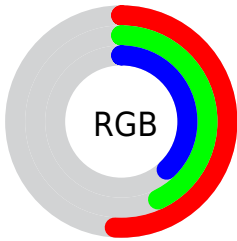
Format	Color
R_{YB}	130, 117, 96
Decimal	8547680
CIE Lab	47.66, 6.13, 10.35
CIE LCh	48, 12.026, 59.342
Yxy	16.5276, 0.3596, 0.3540
Android (android.graphics.Color)	4286737760 (0xFF826D60)
YUV	113.7970, -8.7739, 14.2100
Hunter-Lab	40.6542, 2.5570, 8.9565

Details

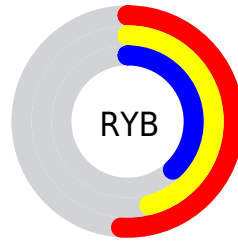
The XYZ color **16.7859, 16.5276, 13.3718** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **15.2144, 16.8208, 23.5641**, and the grayscale version is **15.9557, 16.7866, 18.2806**.

A 20% lighter version of the original color is **37.3657, 37.3155, 32.8370**, and **5.6066, 5.3810, 3.7608** is the 20% darker color. If you saturate the color by 10%, you get **15.4186, 14.6728, 10.2033**, and if you desaturate by 10%, it is **18.3314, 18.5800, 17.0884**.

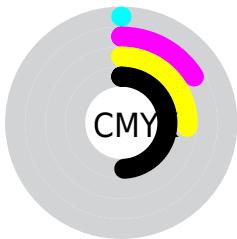
Distribution



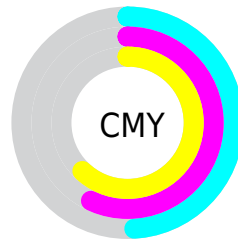
- Red (51%)
- Green (43%)
- Blue (38%)



- Red (51%)
- Yellow (46%)
- Blue (38%)



- Cyan (0%)
- Magenta (16%)
- Yellow (26%)
- Black (49%)



- Cyan (49%)
- Magenta (57%)
- Yellow (62%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.7859, 16.5276, 13.3718 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 16.7859, 16.5276, 13.3718 by changing the saturation by 10% instead.

■ 16.7859, 16.5276,
13.3718

■ 16.7859, 16.5276,
13.3718

227.1159,
232.4352, 224.5778

■ 10.1763, 9.8983,
7.5513

■ 37.5038, 37.5118,
32.6711

■ 5.5792, 5.3316,
3.7256

■ 52.3429, 52.6354,
46.9869

■ 2.6291, 2.4431,
1.4760

■ 70.6558, 71.3592,
64.9717

■ 0.9608, 0.8479,
0.2000

■ 92.8080, 94.0676,
87.0439

■ 0.0000, 0.0000,
0.0000

119.1647,
121.1450, 113.6221

150.0914,

152.9758, 145.1248

185.9533,
189.9444, 181.9705

■ 16.7859, 16.5276,
13.3718

■ 16.7859, 16.5276,
13.3718

■ 15.4186, 14.6728,
10.2033

■ 18.3314, 18.5800,
17.0884

■ 14.2211, 13.0073,
7.5556

■ 20.0602, 20.8335,
21.3767

■ 13.1865, 11.5253,
5.4006

■ 21.9790, 23.2946,
26.2600

■ 12.3067, 10.2199,
3.7070

■ 24.0936, 25.9684,
31.7600

■ 11.5729, 9.0839,
2.4398

■ 26.4097, 28.8602,
37.8975

■ 10.9750, 8.1091,
1.5591

■ 28.9326, 31.9750,
44.6920

■ 10.4975, 7.2851,
0.9965

■ 31.6676, 35.3174,
52.1624

■ 10.3344, 7.0028,
0.8070

■ 34.6195, 38.8922,
60.3268

■ 37.7933, 42.7037,
69.2025

Harmonies

Analogous

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



17.5791, 16.5276, 15.2500



16.7859, 16.5276, 13.3718



15.7327, 16.5276, 12.7052

Triad

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



16.7859, 16.5276, 13.3718



13.7329, 16.5276, 17.9279



16.7430, 16.5276, 23.6603

Complementary

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



16.7859, 16.5276, 13.3718



15.2144, 16.8208, 23.5641

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.



15.6853, 16.5276, 24.5824



16.7859, 16.5276, 13.3718



13.9764, 16.5276, 21.0528

Square

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



16.7859, 16.5276, 13.3718



13.9984, 16.5276, 15.1448



14.6792, 16.5276, 23.5789



17.5536, 16.5276, 21.1837

Rectangle

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



16.7859, 16.5276, 13.3718



15.0348, 16.5276, 12.9715



14.6792, 16.5276, 23.5789



16.4031, 16.5276, 24.1741

Sweetspot

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



16.7863, 16.5284, 13.3721



34.6832, 35.8552, 36.0309



16.6313, 14.4088, 18.8993



7.7575, 7.9951, 7.9236



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.



16.7863, 16.5284, 13.3721



28.1875, 27.2523, 20.3363



18.7103, 20.3762, 14.0135



4.4521, 4.5929, 4.5720



9.9153, 6.7270, 0.7758



0.0000, 0.0000, 0.0000

Inverse Universe

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



15.2144, 16.8208, 23.5641



24.9598, 27.8492, 41.2524



13.4619, 13.3158, 22.9799



4.3126, 4.6191, 5.4776



6.6408, 7.1001, 21.2704



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 16.7859, 16.5276, 13.3718 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 16.7859, 16.5276, 13.3718 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

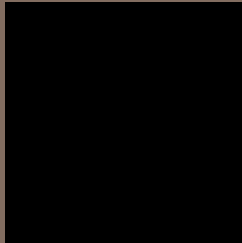
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 16.7859, 16.5276, 13.3718

Background



This preview shows how black text looks on a background with the XYZ color 16.7859, 16.5276, 13.3718.

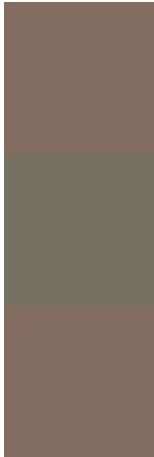


This preview shows how white text looks on a background with the XYZ color 16.7859, 16.5276,

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

16.7859, 16.5276, 13.3718

Protanopia

15.7175, 16.6140, 13.9337

Deuteranopia

16.7859, 16.5276, 13.3718



Tritanopia

17.7643, 16.4514, 18.4588

Trichromacy



Original Color

16.7859, 16.5276, 13.3718

Protanomaly

16.1202, 16.6624, 13.6758

Deuteranomaly

16.7859, 16.5276, 13.3718

Tritanomaly

17.3245, 16.4234, 16.4443

Monochromacy



Original Color

16.7859, 16.5276, 13.3718

Achromatopsia

15.9940, 16.8269, 18.3245

Achromatomaly

16.1937, 16.6429, 16.2688

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.7859, 16.5276, 13.3718 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(130, 109, 96)` looks like.

```
.text, #text, p{  
    color:rgb(130, 109, 96)  
}
```

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(130, 109, 96) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 109, 96) }
```

Border

The CSS property to change the border of an element to XYZ 16.7859, 16.5276, 13.3718 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(130, 109, 96) }
```


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

```
.border{ border-color:rgb(130, 109, 96) }
```

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

Here you see how a box with a 4 pixel `rgb(130, 109, 96)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(130, 109, 96); -webkit-box-  
shadow:4px 4px 4px 4px rgb(130, 109, 96);  
box-shadow:4px 4px 4px 4px rgb(130, 109,  
96) }
```

Background

The CSS property to change the background color of an element to XYZ 16.7859, 16.5276, 13.3718 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 109, 96) }
```

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

```
.background{ background-color: rgb(130,  
109, 96) }
```

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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