

Converting Colors

XYZ(15.8410, 17.8566, 16.8457)

Have a look what the booklet for
XYZ(15.8410, 17.8566, 16.8457)
contains.

XYZ(15.8537, 17.8306, 16.7934)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(15.8537, 17.8306,
16.7934)**

Conversions

Conversions Part 1

Format	Color
Hex	6E786C
RGB	110, 120, 108
RGB Percent	43%, 47%, 42%
CMY	0.5686, 0.5294, 0.5765
CMYK	0.08, 0.00, 0.10, 0.53
HSL	110°, 5%, 45%
HSV	110°, 10%, 47%
XYZ	15.8537, 17.8306, 16.7934
YIQ	115.6420, -2.1080, -5.8520

Conversions

Conversions Part 2

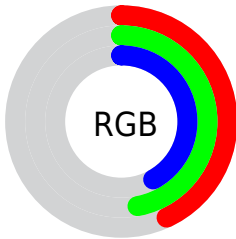
Format	Color
R_{YB}	108, 120, 118
Decimal	7239788
CIE _{Lab}	49.29, -6.19, 5.31
CIE _{LCh}	49, 8.157, 139.358
Yxy	17.8306, 0.3141, 0.3532
Android (android.graphics.Color)	4285429868 (0xFF6E786C)
YUV	115.6420, -3.7675, -4.9480
Hunter-Lab	42.2263, -6.8789, 5.9788

Details

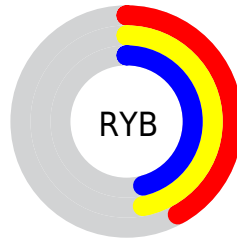
The XYZ color **15.8537, 17.8306, 16.7934** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **16.2244, 15.9331, 19.9904**, and the grayscale version is **16.5030, 17.3624, 18.9077**.

A 20% lighter version of the original color is **35.9108, 39.6896, 38.5691**, and **5.1463, 5.9958, 5.3009** is the 20% darker color. If you saturate the color by 10%, you get **14.0838, 16.9875, 13.6031**, and if you desaturate by 10%, it is **17.8529, 18.7828, 20.4541**.

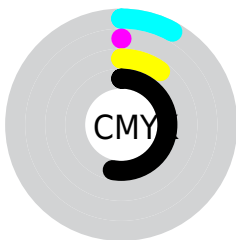
Distribution



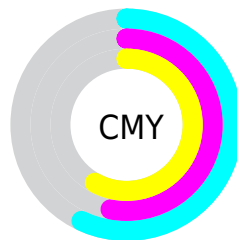
- Red (43%)
- Green (47%)
- Blue (42%)



- Red (42%)
- Yellow (47%)
- Blue (46%)



- Cyan (8%)
- Magenta (0%)
- Yellow (10%)
- Black (53%)



- Cyan (57%)
- Magenta (53%)
- Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.8537, 17.8306, 16.7934 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 15.8537, 17.8306, 16.7934 by changing the saturation by 10% instead.

■ 15.8537, 17.8306,
16.7934

■ 15.8537, 17.8306,
16.7934

221.7643,
239.9145, 245.9825

■ 9.5109, 10.8284,
9.9269

■ 35.9035, 39.7485,
38.7560

■ 5.1356, 5.9516,
5.2455

■ 50.3413, 55.4329,
54.6892

■ 2.3626, 2.8157,
2.3308

■ 68.2080, 74.7803,
74.4816

■ 0.8264, 1.0363,
0.7484

■ 89.8691, 98.1750,
98.5520

■ 0.0000, 0.0000,
0.0000

115.6899,
126.0014, 127.3187

146.0358,

158.6438, 161.2003

181.2722,
196.4867, 200.6154

■ 15.8537, 17.8306,
16.7934

■ 15.8537, 17.8306,
16.7934

■ 14.0838, 16.9875,
13.6031

■ 17.8529, 18.7828,
20.4541

■ 12.5337, 16.2474,
10.8630

■ 20.0878, 19.8454,
24.6021

■ 11.1949, 15.6070,
8.5533

■ 22.5663, 21.0227,
29.2546

■ 10.0583, 15.0620,
6.6521

■ 25.2955, 22.3180,
34.4279

■ 9.1139, 14.6077,
5.1355

■ 28.2822, 23.7344,
40.1374

■ 8.3507, 14.2391,
3.9773

■ 31.5329, 25.2750,
46.3979

■ 7.7568, 13.9507,
3.1480

■ 35.0539, 26.9427,
53.2236

■ 7.3186, 13.7362,
2.6134

■ 38.8514, 28.7404,
60.6283

■ 7.0054, 13.5823,
2.2524

■ 42.9312, 30.6709,
68.6252

Harmonies

Analogous

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



16.4637, 17.8306, 15.6988



15.8537, 17.8306, 16.7934



15.5401, 17.8306, 18.6455

Triad

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



15.8537, 17.8306, 16.7934



16.6768, 17.8306, 23.8646



18.3761, 17.8306, 18.0489

Complementary

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



15.8537, 17.8306, 16.7934



16.2244, 15.9331, 19.9904

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.



18.4373, 17.8306, 20.2043



15.8537, 17.8306, 16.7934



17.4406, 17.8306, 23.6746

Square

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



15.8537, 17.8306, 16.7934



16.0057, 17.8306, 22.7961



18.0904, 17.8306, 22.2950



17.9255, 17.8306, 16.3850

Rectangle

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



15.8537, 17.8306, 16.7934



15.5346, 17.8306, 20.1089



18.0904, 17.8306, 22.2950



18.4434, 17.8306, 18.7363

Sweetspot

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



15.8542, 17.8314, 16.7938



30.2752, 32.4995, 33.9059



16.9081, 17.9863, 16.7682



7.1138, 7.6730, 7.9232



59.0181, 62.0916, 67.6177



7.4413, 7.8288, 8.5256

Same Dimension

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



15.8542, 17.8314, 16.7938



27.1346, 31.0041, 28.1775



15.8148, 17.7872, 17.8711



4.0074, 4.4791, 4.2778



7.6329, 14.8121, 2.4567



35.9102, 70.3978, 11.6955

Inverse Universe

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



16.2244, 15.9331, 19.9904



27.9230, 26.9612, 34.9854



16.2729, 15.9842, 18.8123



4.0921, 4.0453, 5.0083



9.4214, 4.4297, 19.7437



44.3249, 20.8123, 94.1508

Previews

White Background



This preview shows how the XYZ color 15.8537, 17.8306, 16.7934 looks on a white background.

Color Contrast Check

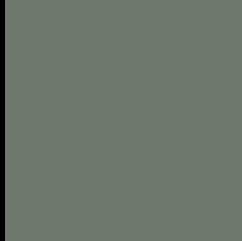
Large Text (above 18pt) WCAG AA ✓ Pass

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 15.8537, 17.8306, 16.7934 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

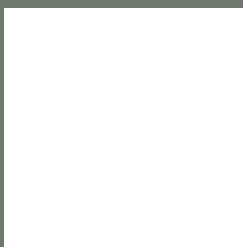
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 15.8537, 17.8306, 16.7934

Background



This preview shows how black text looks on a background with the XYZ color 15.8537, 17.8306, 16.7934.

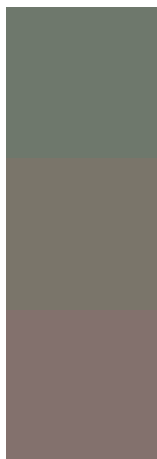


This preview shows how white text looks on a background with the XYZ color 15.8537, 17.8306,

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

15.8537, 17.8306, 16.7934

Protanopia

16.9888, 17.9008, 16.1955

Deuteranopia

18.0255, 17.7397, 16.9421



Tritanopia

17.0021, 17.7656, 22.6117

Trichromacy



Original Color

15.8537, 17.8306, 16.7934

Protanomaly

16.6035, 17.8700, 16.4841

Deuteranomaly

17.1741, 17.8059, 16.9997

Tritanomaly

16.5507, 17.7577, 20.3246

Monochromacy



Original Color

15.8537, 17.8306, 16.7934

Achromatopsia

16.6002, 17.4647, 19.0191

Achromatomaly

16.2814, 17.4922, 18.1410

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.8537, 17.8306, 16.7934 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(110, 120, 108)` looks like.

```
.text, #text, p{  
    color:rgb(110, 120, 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(110, 120, 108) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(110, 120, 108) }
```

Border

The CSS property to change the border of an element to XYZ 15.8537, 17.8306, 16.7934 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(110, 120, 108) }
```


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

```
.border{ border-color:rgb(110, 120, 108) }
```

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

Here you see how a box with a 4 pixel `rgb(110, 120, 108)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(110, 120, 108); -webkit-box-  
shadow:4px 4px 4px 4px rgb(110, 120, 108);  
box-shadow:4px 4px 4px 4px rgb(110, 120,  
108) }
```

Background

The CSS property to change the background color of an element to XYZ 15.8537, 17.8306, 16.7934 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(110, 120, 108) }
```

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

```
.background{ background-color: rgb(110,  
120, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor