

Converting Colors

XYZ(16.0552, 17.6422, 7.8256)

Have a look what the booklet for
XYZ(16.0552, 17.6422, 7.8256)
contains.

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Color

**XYZ(15.9786, 17.5634,
7.8581)**

Conversions

Conversions Part 1

Format	Color
Hex	7E7543
RGB	126, 117, 67
RGB Percent	49%, 46%, 26%
CMY	0.5059, 0.5412, 0.7372
CMYK	0.00, 0.07, 0.47, 0.51
HSL	51°, 31%, 38%
HSV	51°, 47%, 49%
XYZ	15.9786, 17.5634, 7.8581
YIQ	113.9910, 21.4140, -13.6420

Conversions

Conversions Part 2

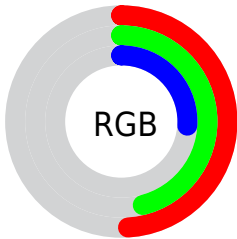
Format	Color
R_{YB}	78, 126, 67
Decimal	8287555
CIE Lab	48.96, -4.06, 28.73
CIE LCh	49, 29.020, 98.033
Yxy	17.5634, 0.3860, 0.4242
Android (android.graphics.Color)	4286477635 (0xFF7E7543)
YUV	113.9910, -23.1666, 10.5319
Hunter-Lab	41.9087, -5.2833, 18.2189

Details

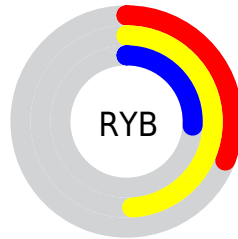
The XYZ color **15.9786, 17.5634, 7.8581** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **8.6651, 7.8684, 20.8008**, and the grayscale version is **16.0547, 16.8908, 18.3940**.

A 20% lighter version of the original color is **36.1627, 39.3402, 22.2104**, and **5.1651, 5.8062, 1.5580** is the 20% darker color. If you saturate the color by 10%, you get **15.4196, 16.9859, 6.0056**, and if you desaturate by 10%, it is **16.6253, 18.1847, 10.1462**.

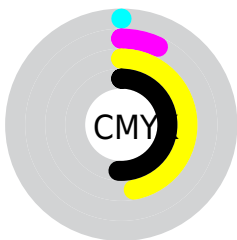
Distribution



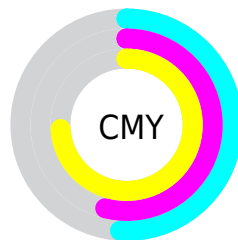
- Red (49%)
- Green (46%)
- Blue (26%)



- Red (31%)
- Yellow (49%)
- Blue (26%)



- Cyan (0%)
- Magenta (7%)
- Yellow (47%)
- Black (51%)



- Cyan (51%)
- Magenta (54%)
- Yellow (74%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.9786, 17.5634, 7.8581 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 15.9786, 17.5634, 7.8581 by changing the saturation by 10% instead.

■ 15.9786, 17.5634,
7.8581

■ 15.9786, 17.5634,
7.8581

222.4883,
238.3985, 184.5076

■ 9.5998, 10.6370,
3.9178

■ 36.1188, 39.2919,
22.2214

■ 5.1946, 5.8233,
1.5804

■ 50.6109, 54.8629,
33.4814

■ 2.3978, 2.7379,
0.2768

■ 68.5381, 74.0841,
48.0184

■ 0.8440, 0.9965,
0.0000

■ 90.2657, 97.3400,
66.2510

■ 0.0000, 0.0000,
0.0000

■ 116.1592,
125.0150, 88.5977

146.5839,

157.4935, 115.4770

181.9051,
195.1599, 147.3074

■ 15.9786, 17.5634,
7.8581

■ 15.9786, 17.5634,
7.8581

■ 15.4196, 16.9859,
6.0056

■ 16.6253, 18.1847,
10.1462

■ 14.9416, 16.4474,
4.5591

■ 17.3635, 18.8492,
12.8946

■ 14.5390, 15.9464,
3.4872

■ 18.1980, 19.5598,
16.1274

■ 14.2049, 15.4800,
2.7534

■ 19.1331, 20.3180,
19.8670

■ 13.9252, 15.0426,
2.2845

■ 20.1727, 21.1257,
24.1341

■ 13.8396, 14.9064,
2.1478

■ 21.3207, 21.9842,
28.9483

■ 22.5806, 22.8951,
34.3282

■ 23.9558, 23.8597,
40.2917

■ 25.4495, 24.8795,
46.8557

Harmonies

Analogous

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



18.7112, 17.5634, 8.3853



15.9786, 17.5634, 7.8581



13.6955, 17.5634, 9.6423

Triad

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



15.9786, 17.5634, 7.8581



12.9300, 17.5634, 29.8217



21.9844, 17.5634, 25.2402

Complementary

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



15.9786, 17.5634, 7.8581



8.6651, 7.8684, 20.8008

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.



20.0999, 17.5634, 33.3835



15.9786, 17.5634, 7.8581



14.8263, 17.5634, 36.4867

Square

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



15.9786, 17.5634, 7.8581



12.0635, 17.5634, 21.2770



17.4294, 17.5634, 37.9413



22.3783, 17.5634, 17.1205

Rectangle

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



15.9786, 17.5634, 7.8581



12.6661, 17.5634, 12.2840



17.4294, 17.5634, 37.9413



21.4952, 17.5634, 28.1221

Sweetspot

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



15.9790, 17.5642, 7.8585



32.4265, 34.7547, 29.9465



11.9452, 8.9836, 8.0950



7.3112, 7.8521, 6.5557



60.6688, 63.8283, 69.5090



7.9400, 8.3535, 9.0970

Same Dimension

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



15.9790, 17.5642, 7.8585



27.0978, 29.8513, 10.4318



14.4577, 18.4117, 8.1022



4.6113, 4.9112, 4.6251



14.1956, 15.2876, 2.2026



0.0000, 0.0000, 0.0000

Inverse Universe

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



8.6651, 7.8684, 20.8008



12.5944, 10.6368, 36.1337



9.6727, 7.5311, 20.6826



4.1577, 4.3095, 5.4259



4.1039, 2.0263, 20.4248



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 15.9786, 17.5634, 7.8581 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 15.9786, 17.5634, 7.8581 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 15.9786, 17.5634, 7.8581

Background



This preview shows how black text looks on a background with the XYZ color 15.9786, 17.5634, 7.8581.

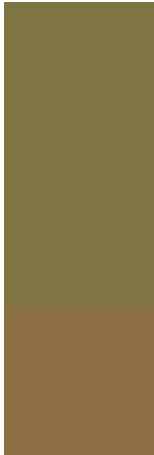


This preview shows how white text looks on a background with the XYZ color 15.9786, 17.5634,

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

15.9786, 17.5634, 7.8581

Protanopia

16.1606, 17.4852, 7.8334

Deuteranopia

17.7123, 17.4490, 7.9033



Tritanopia

18.4347, 17.5502, 20.1852

Trichromacy



Original Color

15.9786, 17.5634, 7.8581

Protanomaly

16.0109, 17.4081, 7.8264

Deuteranomaly

17.1019, 17.4618, 7.9380

Tritanomaly

17.3074, 17.4170, 14.7615

Monochromacy



Original Color

15.9786, 17.5634, 7.8581

Achromatopsia

15.9940, 16.8269, 18.3245

Achromatomaly

15.7596, 16.9761, 13.7554

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.9786, 17.5634, 7.8581 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(126, 117, 67)` looks like.

```
.text, #text, p{  
    color:rgb(126, 117, 67)  
}
```

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(126, 117, 67) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(126, 117, 67) }
```

Border

The CSS property to change the border of an element to XYZ 15.9786, 17.5634, 7.8581 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(126, 117, 67) }
```


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

```
.border{ border-color:rgb(126, 117, 67) }
```

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

Here you see how a box with a 4 pixel `rgb(126, 117, 67)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(126, 117, 67); -webkit-box-  
shadow:4px 4px 4px 4px rgb(126, 117, 67);  
box-shadow:4px 4px 4px 4px rgb(126, 117,  
67) }
```

Background

The CSS property to change the background color of an element to XYZ 15.9786, 17.5634, 7.8581 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(126, 117, 67) }
```

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

```
.background{ background-color: rgb(126,  
117, 67) }
```

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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