

Converting Colors

XYZ(21.7733, 17.6892, 9.4745)

Have a look what the booklet for
XYZ(21.7733, 17.6892, 9.4745)
contains.

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Color

**XYZ(21.7733, 17.6892,
9.4745)**

Conversions

Conversions Part 1

Format	Color
Hex	A7634E
RGB	167, 99, 78
RGB Percent	65%, 39%, 31%
CMY	0.3451, 0.6117, 0.6941
CMYK	0.00, 0.41, 0.53, 0.35
HSL	14°, 36%, 48%
HSV	14°, 53%, 65%
XYZ	21.7733, 17.6892, 9.4745
YIQ	116.9380, 47.2690, 7.8850

Conversions

Conversions Part 2

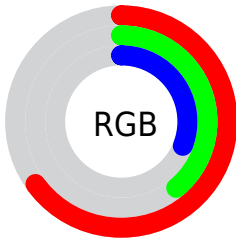
Format	Color
R_{YB}	167, 105, 78
Decimal	10969934
CIE _{Lab}	49.12, 25.26, 23.64
CIE _{LCh}	49, 34.600, 43.107
Yxy	17.6892, 0.4449, 0.3615
Android (android.graphics.Color)	4289160014 (0xFFA7634E)
YUV	116.9380, -19.1964, 43.9044
Hunter-Lab	42.0585, 18.8053, 16.0847

Details

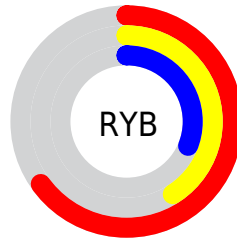
The XYZ color **21.7733, 17.6892, 9.4745** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **20.3952, 24.9662, 40.3030**, and the grayscale version is **16.9370, 17.8191, 19.4050**.

A 20% lighter version of the original color is **45.9487, 39.6731, 25.3146**, and **8.0139, 5.8570, 2.1470** is the 20% darker color. If you saturate the color by 10%, you get **20.1342, 15.2506, 6.3400**, and if you desaturate by 10%, it is **23.7564, 20.5725, 13.4741**.

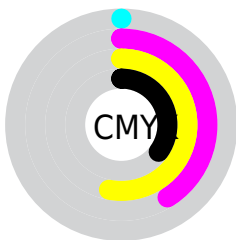
Distribution



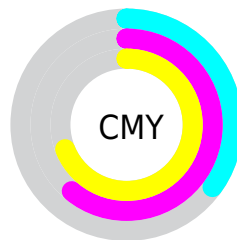
- Red (65%)
- Green (39%)
- Blue (31%)



- Red (65%)
- Yellow (41%)
- Blue (31%)



- Cyan (0%)
- Magenta (41%)
- Yellow (53%)
- Black (35%)





- Cyan (35%)
- Magenta (61%)
- Yellow (69%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 21.7733, 17.6892, 9.4745 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 21.7733, 17.6892, 9.4745 by changing the saturation by 10% instead.

 21.7733, 17.6892,
9.4745


 21.7733, 17.6892,
9.4745


254.0148,
239.1133, 197.2258

 13.8061, 10.7271,
4.9509


 45.8527, 39.5070,
25.3945


 8.0667, 5.8836,
2.1603


 62.6955, 55.1315,
37.6279


 4.1898, 2.7744,
0.6513

 83.2277, 74.4122,
53.2685

 1.8101, 1.0151,
0.0000

 107.8144, 97.7336,
72.7346

 0.5237, 0.0000,
0.0000

 136.8212,
125.4800, 96.4448

 0.0000, 0.0000,
0.0000

170.6132,

158.0358, 124.8178

209.5560,
195.7855, 158.2719

■ 21.7733, 17.6892,
9.4745

■ 21.7733, 17.6892,
9.4745

■ 20.1342, 15.2506,
6.3400

■ 23.7564, 20.5725,
13.4741

■ 18.8170, 13.2312,
4.0047

■ 26.1009, 23.9185,
18.3960

■ 17.7990, 11.6074,
2.3948

■ 28.8248, 27.7479,
24.2935

■ 17.0536, 10.3515,
1.4220

■ 31.9444, 32.0790,
31.2158

■ 16.6754, 9.6937,
0.9922

■ 35.4750, 36.9292,
39.2085

■ 39.4310, 42.3152,
48.3146

■ 43.8261, 48.2527,
58.5747

■ 48.6737, 54.7569,
70.0273

■ 53.9861, 61.8425,
82.7092

Harmonies

Analogous

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



23.6250, 17.6892, 15.4979



21.7733, 17.6892, 9.4745



18.6853, 17.6892, 6.7523

Triad

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



21.7733, 17.6892, 9.4745



11.5377, 17.6892, 14.5357



18.2629, 17.6892, 42.3304

Complementary

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



21.7733, 17.6892, 9.4745



20.3952, 24.9662, 40.3030

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.



15.0702, 17.6892, 41.8178



21.7733, 17.6892, 9.4745



11.4552, 17.6892, 23.5876

Square

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



21.7733, 17.6892, 9.4745



12.9119, 17.6892, 8.9656



12.6699, 17.6892, 34.1722



21.4301, 17.6892, 35.4056

Rectangle

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



21.7733, 17.6892, 9.4745



16.4783, 17.6892, 6.3899



12.6699, 17.6892, 34.1722



17.1524, 17.6892, 43.0747

Sweetspot

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



21.7737, 17.6901, 9.4748



55.4604, 55.0310, 51.9929



23.8672, 15.7469, 29.0709



12.1614, 11.9688, 11.0801



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

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



21.7737, 17.6901, 9.4748



35.5764, 26.5823, 10.4692



27.1740, 28.4906, 11.2749



7.6695, 7.8191, 7.8943



12.7929, 7.4830, 0.7701



0.3490, 0.2575, 0.0313

Inverse Universe

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



20.3952, 24.9662, 40.3030



32.7792, 40.9036, 71.6428



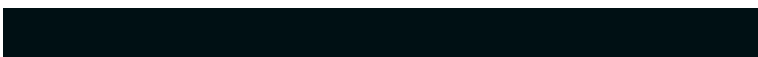
14.8422, 13.8603, 38.4520



7.5953, 8.2275, 9.6061



11.2420, 13.9442, 30.0745



0.3091, 0.4104, 0.7436

Previews

White Background



This preview shows how the XYZ color 21.7733, 17.6892, 9.4745 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 21.7733, 17.6892, 9.4745 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 21.7733, 17.6892, 9.4745

Background



This preview shows how black text looks on a background with the XYZ color 21.7733, 17.6892, 9.4745.



This preview shows how white text looks on a background with the XYZ color 21.7733, 17.6892,

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

21.7733, 17.6892, 9.4745

Protanopia

16.6452, 17.8301, 11.3684

Deuteranopia

18.0832, 17.7729, 9.3149



Tritanopia

22.9932, 17.7800, 15.0520

Trichromacy



Original Color

21.7733, 17.6892, 9.4745

Protanomaly

18.1218, 17.4391, 10.5946

Deuteranomaly

19.1749, 17.5352, 9.3952

Tritanomaly

22.4435, 17.6824, 12.8198

Monochromacy



Original Color

21.7733, 17.6892, 9.4745

Achromatopsia

16.9083, 17.7888, 19.3720

Achromatomaly

18.0158, 17.2820, 15.2182

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.7733, 17.6892, 9.4745 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(167, 99, 78)` looks like.

```
.text, #text, p{  
    color:rgb(167, 99, 78)  
}
```

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(167, 99, 78) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 99, 78) }
```

Border

The CSS property to change the border of an element to XYZ 21.7733, 17.6892, 9.4745 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(167, 99, 78) }
```


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

```
.border{ border-color:rgb(167, 99, 78) }
```

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

Here you see how a box with a 4 pixel `rgb(167, 99, 78)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 99, 78); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 99, 78);  
box-shadow:4px 4px 4px 4px rgb(167, 99,  
78) }
```

Background

The CSS property to change the background color of an element to XYZ 21.7733, 17.6892, 9.4745 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 99, 78) }
```

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

```
.background{ background-color: rgb(167, 99,  
78) }
```

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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