

Converting Colors

XYZ(21.8241, 18.0301, 14.4839)

Have a look what the booklet for
XYZ(21.8241, 18.0301, 14.4839)
contains.

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Color

**XYZ(21.7496, 17.9999,
14.3846)**

Conversions

Conversions Part 1

Format	Color
Hex	A16664
RGB	161, 102, 100
RGB Percent	63%, 40%, 39%
CMY	0.3686, 0.6000, 0.6078
CMYK	0.00, 0.37, 0.38, 0.37
HSL	2°, 24%, 51%
HSV	2°, 38%, 63%
XYZ	21.7496, 17.9999, 14.3846
YIQ	119.4130, 35.8060, 11.8860

Conversions

Conversions Part 2

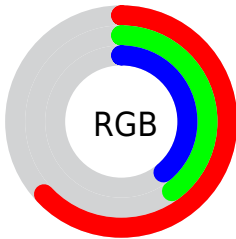
Format	Color
R_{YB}	161, 102, 100
Decimal	10577508
CIE Lab	49.50, 23.52, 11.06
CIE LCh	49, 25.988, 25.194
Yxy	17.9999, 0.4018, 0.3325
Android (android.graphics.Color)	4288767588 (0xFFA16664)
YUV	119.4130, -9.5706, 36.4718
Hunter-Lab	42.4263, 17.2610, 9.5962

Details

The XYZ color **21.7496, 17.9999, 14.3846** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **24.0863, 30.0778, 38.2545**, and the grayscale version is **17.6874, 18.6085, 20.2647**.

A 20% lighter version of the original color is **45.7568, 40.0973, 34.6061**, and **8.0252, 6.0212, 4.1074** is the 20% darker color. If you saturate the color by 10%, you get **19.6568, 14.9406, 10.2149**, and if you desaturate by 10%, it is **24.2848, 21.6975, 19.4619**.

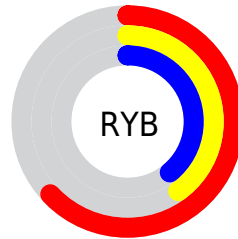
Distribution



Red (63%)

Green (40%)

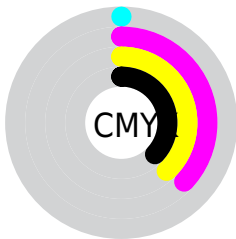
Blue (39%)



Red (63%)

Yellow (40%)

Blue (39%)

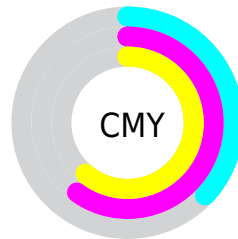


Cyan (0%)

Magenta (37%)

Yellow (38%)

Black (37%)



Cyan (37%)

Magenta (60%)

Yellow (61%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.7496, 17.9999, 14.3846 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 21.7496, 17.9999, 14.3846 by changing the saturation by 10% instead.

■ 21.7496, 17.9999,
14.3846

■ 21.7496, 17.9999,
14.3846

253.8928,
240.8705, 231.1215

■ 13.7886, 10.9499,
8.2468

■ 45.8137, 40.0372,
34.4968

■ 8.0545, 6.0332,
4.1633

■ 62.6476, 55.7932,
49.3083

■ 4.1819, 2.8653,
1.7153

■ 83.1697, 75.2201,
67.8482

■ 1.8056, 1.0618,
0.3712

■ 107.7456, 98.7022,
90.5349

■ 0.5210, 0.0000,
0.0000

136.7405,
126.6239, 117.7871

■ 0.0000, 0.0000,
0.0000

170.5197,

159.3695, 150.0232

209.4487,
197.3236, 187.6619

■ 21.7496, 17.9999,
14.3846

■ 21.7496, 17.9999,
14.3846

■ 19.6568, 14.9406,
10.2149

■ 24.2848, 21.6975,
19.4619

■ 17.9798, 12.4809,
6.8984

■ 27.2843, 26.0638,
25.4947

■ 16.6911, 10.5824,
4.3765

■ 30.7700, 31.1305,
32.5291


■ 15.7597, 9.2008,
2.5826

■ 34.7624, 36.9265,
40.6075

■ 15.1496, 8.2852,
1.4395


■ 39.2805, 43.4791,
49.7701


 14.8097, 7.7707,
0.8170

 44.3424, 50.8140,
60.0549

 14.7554, 7.6919,
0.7070

 49.9653, 58.9561,
71.4982

 56.1659, 67.9287,
84.1345

 62.9598, 77.7546,
97.9969

Harmonies

Analogous

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



22.2615, 17.9999, 20.7544



21.7496, 17.9999, 14.3846



19.9494, 17.9999, 10.4557

Triad

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



21.7496, 17.9999, 14.3846



13.5148, 17.9999, 12.8455



16.7156, 17.9999, 36.4110

Complementary

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



21.7496, 17.9999, 14.3846



24.0863, 30.0778, 38.2545

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.



14.5508, 17.9999, 32.9409



21.7496, 17.9999, 14.3846



12.8189, 17.9999, 18.4870

Square

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



21.7496, 17.9999, 14.3846



15.1749, 17.9999, 9.7276



13.1794, 17.9999, 25.9417



19.1995, 17.9999, 34.5695

Rectangle

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



21.7496, 17.9999, 14.3846



18.3443, 17.9999, 9.2117



13.1794, 17.9999, 25.9417



15.9292, 17.9999, 35.8073

Sweetspot

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



21.7501, 18.0008, 14.3850



52.9357, 52.5982, 53.8720



25.5990, 19.2291, 35.6126



11.4353, 11.2823, 11.4631



76.7382, 80.7346, 87.9200



13.3056, 13.9985, 15.2444

Same Dimension

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



21.7501, 18.0008, 14.3850



35.9073, 27.7871, 19.6921



25.1842, 24.8691, 15.5297



7.0916, 7.1215, 7.3809



11.7906, 6.1552, 0.5666



0.2530, 0.1399, 0.0137

Inverse Universe

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



24.0863, 30.0778, 38.2545



40.6655, 52.4009, 68.3576



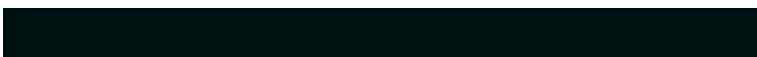
19.6028, 21.1109, 36.7600



7.2561, 7.9712, 9.0592



14.6004, 20.9802, 30.2098



0.3125, 0.4523, 0.6367

Previews

White Background



This preview shows how the XYZ color 21.7496, 17.9999, 14.3846 looks on a white background.

Color Contrast Check

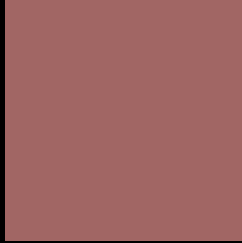
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.7496, 17.9999, 14.3846 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

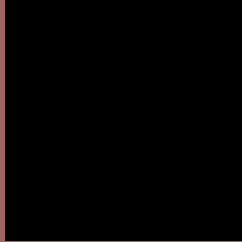
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 21.7496, 17.9999, 14.3846

Background



This preview shows how black text looks on a background with the XYZ color 21.7496, 17.9999, 14.3846.

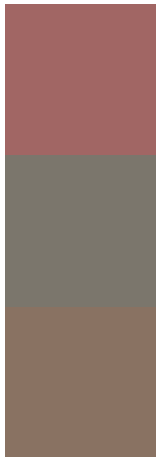


This preview shows how white text looks on a background with the XYZ color 21.7496, 17.9999,

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

21.7496, 17.9999, 14.3846

Protanopia

17.3536, 18.2505, 16.7954

Deuteranopia

18.5384, 18.2348, 14.0979



Tritanopia

22.2607, 18.0715, 16.5022

Trichromacy



Original Color

21.7496, 17.9999, 14.3846

Protanomaly

18.6605, 17.9266, 15.8413

Deuteranomaly

19.6821, 18.1637, 14.2730

Tritanomaly

22.1038, 18.0087, 15.6756

Monochromacy



Original Color

21.7496, 17.9999, 14.3846

Achromatopsia

17.5343, 18.4475, 20.0893

Achromatomaly

18.6613, 18.0484, 17.8294

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.7496, 17.9999, 14.3846 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(161, 102, 100)` looks like.

```
.text, #text, p{  
    color:rgb(161, 102, 100)  
}
```

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(161, 102, 100) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(161, 102, 100) }
```

Border

The CSS property to change the border of an element to XYZ 21.7496, 17.9999, 14.3846 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(161, 102, 100) }
```


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

```
.border{ border-color:rgb(161, 102, 100) }
```

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

Here you see how a box with a 4 pixel `rgb(161, 102, 100)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(161, 102, 100); -webkit-box-  
shadow:4px 4px 4px 4px rgb(161, 102, 100);  
box-shadow:4px 4px 4px 4px rgb(161, 102,  
100) }
```

Background

The CSS property to change the background color of an element to XYZ 21.7496, 17.9999, 14.3846 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(161, 102, 100) }
```

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

```
.background{ background-color: rgb(161,  
102, 100) }
```

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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