

Converting Colors

XYZ(16.4268, 15.7616, 11.1294)

Have a look what the booklet for
XYZ(16.4268, 15.7616, 11.1294)
contains.

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Color

**XYZ(16.4447, 15.7778,
11.1955)**

Conversions

Conversions Part 1

Format	Color
Hex	856957
RGB	133, 105, 87
RGB Percent	52%, 41%, 34%
CMY	0.4784, 0.5882, 0.6588
CMYK	0.00, 0.21, 0.35, 0.48
HSL	23°, 21%, 43%
HSV	23°, 35%, 52%
XYZ	16.4447, 15.7778, 11.1955
YIQ	111.3200, 22.4660, 0.3380

Conversions

Conversions Part 2

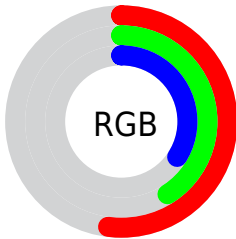
Format	Color
R_{YB}	133, 117, 87
Decimal	8743255
CIE Lab	46.68, 8.43, 14.38
CIE LCh	47, 16.666, 59.605
Yxy	15.7778, 0.3788, 0.3634
Android (android.graphics.Color)	4286933335 (0xFF856957)
YUV	111.3200, -11.9898, 19.0134
Hunter-Lab	39.7213, 4.3872, 11.0939

Details

The XYZ color **16.4447, 15.7778, 11.1955** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **14.2946, 15.9805, 24.5214**, and the grayscale version is **15.2320, 16.0252, 17.4514**.

A 20% lighter version of the original color is **36.8973, 36.1479, 28.6994**, and **5.4106, 4.9871, 2.8679** is the 20% darker color. If you saturate the color by 10%, you get **15.1651, 14.0095, 8.3307**, and if you desaturate by 10%, it is **17.9038, 17.7447, 14.6145**.

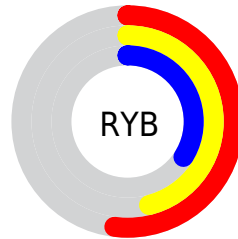
Distribution



Red (52%)

Green (41%)

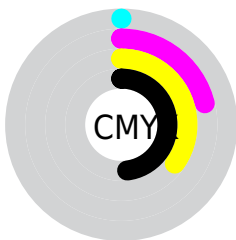
Blue (34%)



Red (52%)

Yellow (46%)

Blue (34%)

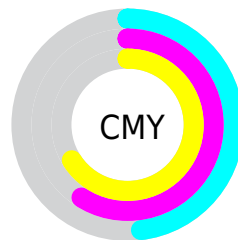


Cyan (0%)

Magenta (21%)

Yellow (35%)

Black (48%)



Cyan (48%)

Magenta (59%)

Yellow (66%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.4447, 15.7778, 11.1955 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 16.4447, 15.7778, 11.1955 by changing the saturation by 10% instead.

■ 16.4447, 15.7778,
11.1955

■ 16.4447, 15.7778,
11.1955

225.1709,
228.0270, 209.7893

■ 9.9322, 9.3671,
6.0827

■ 36.9198, 36.2120,
28.6633

■ 5.4160, 4.9814,
2.8258

■ 51.6131, 51.0043,
41.8553

■ 2.5306, 2.2363,
1.0064

■ 69.7640, 69.3592,
58.5774

■ 0.9107, 0.7397,
0.0000

■ 91.7379, 91.6611,
79.2483

■ 0.0000, 0.0000,
0.0000

■ 117.9002,
118.2945, 104.2864

148.6163,

149.6436, 134.1102

184.2513,
186.0930, 169.1383

■ 16.4447, 15.7778,
11.1955

■ 16.4447, 15.7778,
11.1955

■ 15.1651, 14.0095,
8.3307

■ 17.9038, 17.7447,
14.6145

■ 14.0560, 12.4309,
5.9893

■ 19.5483, 19.9141,
18.6142

■ 13.1096, 11.0358,
4.1392

■ 21.3854, 22.2927,
23.2206

■ 12.3167, 9.8168,
2.7440

■ 23.4214, 24.8862,
28.4577

■ 11.6670, 8.7657,
1.7625

■ 25.6625, 27.7000,
34.3484

■ 11.1476, 7.8730,
1.1389

■ 28.1146, 30.7394,
40.9142

■ 10.9032, 7.4472,
0.8628

■ 30.7830, 34.0093,
48.1759

■ 33.6733, 37.5148,
56.1531

■ 36.7906, 41.2605,
64.8648

Harmonies

Analogous

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



17.5409, 15.7778, 13.5446



16.4447, 15.7778, 11.1955



15.0155, 15.7778, 10.3944

Triad

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



16.4447, 15.7778, 11.1955



12.3890, 15.7778, 17.1245



16.4094, 15.7778, 25.0574

Complementary

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



16.4447, 15.7778, 11.1955



14.2946, 15.9805, 24.5214

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.



14.9772, 15.7778, 26.4153



16.4447, 15.7778, 11.1955



12.7106, 15.7778, 21.4122

Square

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



16.4447, 15.7778, 11.1955



12.7278, 15.7778, 13.4637



13.6356, 15.7778, 24.9869



17.5196, 15.7778, 21.5225

Rectangle

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



16.4447, 15.7778, 11.1955



14.0844, 15.7778, 10.7274



13.6356, 15.7778, 24.9869



15.9468, 15.7778, 25.8065

Sweetspot

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



16.4451, 15.7785, 11.1958



36.3979, 37.4721, 36.7936



16.1968, 13.0493, 17.9957



8.1130, 8.3291, 8.0716



64.0503, 67.3860, 73.3833



8.9945, 9.4630, 10.3052

Same Dimension

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



16.4451, 15.7785, 11.1958



27.5103, 25.5814, 15.6900



19.0646, 21.0175, 12.0690



4.8110, 4.9656, 4.9343



10.3930, 7.1085, 0.8243



0.0428, 0.0381, 0.0051

Inverse Universe

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



14.2946, 15.9805, 24.5214



23.0103, 25.9941, 43.5430



12.0232, 11.4378, 23.7643



4.6527, 4.9809, 5.9169



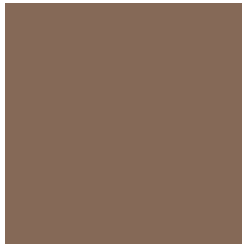
6.8396, 7.2270, 22.1712



0.0308, 0.0393, 0.0792

Previews

White Background



This preview shows how the XYZ color 16.4447, 15.7778, 11.1955 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 16.4447, 15.7778, 11.1955 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

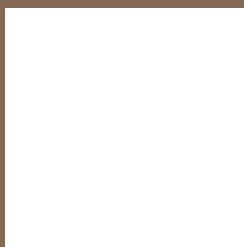
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 16.4447, 15.7778, 11.1955

Background



This preview shows how black text looks on a background with the XYZ color 16.4447, 15.7778, 11.1955.

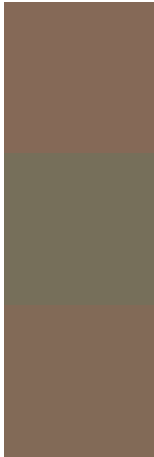


This preview shows how white text looks on a background with the XYZ color 16.4447, 15.7778,

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

16.4447, 15.7778, 11.1955

Protanopia

15.0011, 15.9586, 11.9625

Deuteranopia

16.0803, 15.7420, 11.2078



Tritanopia

17.5575, 15.7794, 16.8722

Trichromacy



Original Color

16.4447, 15.7778, 11.1955

Protanomaly

15.4402, 15.8695, 11.7005

Deuteranomaly

16.2344, 15.8215, 11.2150

Tritanomaly

17.0800, 15.7281, 14.7060

Monochromacy



Original Color

16.4447, 15.7778, 11.1955

Achromatopsia

15.1092, 15.8961, 17.3108

Achromatomaly

15.4747, 15.8185, 14.8081

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.4447, 15.7778, 11.1955 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(133, 105, 87)` looks like.

```
.text, #text, p{  
    color:rgb(133, 105, 87)  
}
```

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(133, 105, 87) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 105, 87) }
```

Border

The CSS property to change the border of an element to XYZ 16.4447, 15.7778, 11.1955 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(133, 105, 87) }
```


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

```
.border{ border-color:rgb(133, 105, 87) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 105, 87)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 105, 87); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 105, 87);  
box-shadow:4px 4px 4px 4px rgb(133, 105,  
87) }
```

Background

The CSS property to change the background color of an element to XYZ 16.4447, 15.7778, 11.1955 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 105, 87) }
```

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

```
.background{ background-color: rgb(133,  
105, 87) }
```

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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