

Converting Colors

XYZ(16.9852, 16.0707, 13.2071)

Have a look what the booklet for
XYZ(16.9852, 16.0707, 13.2071)
contains.

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Color

**XYZ(16.9944, 16.0160,
13.2620)**

Conversions

Conversions Part 1

Format	Color
Hex	866960
RGB	134, 105, 96
RGB Percent	53%, 41%, 38%
CMY	0.4745, 0.5882, 0.6235
CMYK	0.00, 0.22, 0.28, 0.47
HSL	14°, 17%, 45%
HSV	14°, 28%, 53%
XYZ	16.9944, 16.0160, 13.2620
YIQ	112.6450, 20.1730, 3.3490

Conversions

Conversions Part 2

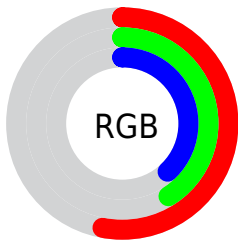
Format	Color
R_{YB}	134, 108, 96
Decimal	8808800
CIE Lab	47.00, 10.15, 9.47
CIE LCh	47, 13.884, 43.026
Yxy	16.0160, 0.3673, 0.3461
Android (android.graphics.Color)	4286998880 (0xFF866960)
YUV	112.6450, -8.2060, 18.7283
Hunter-Lab	40.0200, 5.7646, 8.3662

Details

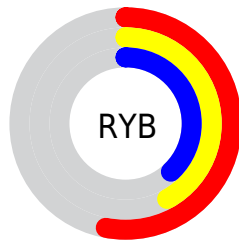
The XYZ color **16.9944, 16.0160, 13.2620** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **16.4603, 18.8747, 25.3299**, and the grayscale version is **15.6106, 16.4236, 17.8853**.

A 20% lighter version of the original color is **37.8158, 36.5436, 32.2546**, and **5.6561, 5.0954, 3.7030** is the 20% darker color. If you saturate the color by 10%, you get **15.4498, 13.8312, 9.9584**, and if you desaturate by 10%, it is **18.7703, 18.4948, 17.1619**.

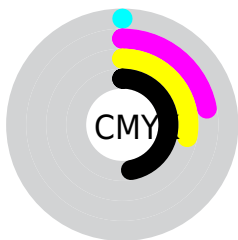
Distribution



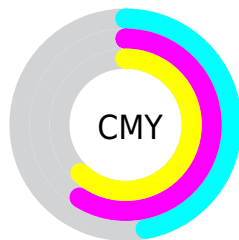
- Red (53%)
- Green (41%)
- Blue (38%)



- Red (53%)
- Yellow (42%)
- Blue (38%)



- Cyan (0%)
- Magenta (22%)
- Yellow (28%)
- Black (47%)



- Cyan (47%)
- Magenta (59%)
- Yellow (62%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.9944, 16.0160, 13.2620 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 16.9944, 16.0160, 13.2620 by changing the saturation by 10% instead.

■ 16.9944, 16.0160,
13.2620

■ 16.9944, 16.0160,
13.2620

228.2970,
229.4361, 223.8565

■ 10.3258, 9.5355,
7.4764

■ 37.8598, 36.6260,
32.4717

■ 5.6794, 5.0921,
3.6788

■ 52.7873, 51.5242,
46.7329

■ 2.6899, 2.3014,
1.4509

■ 71.1985, 69.9972,
64.6564

■ 0.9920, 0.7744,
0.1809

■ 93.4587, 92.4292,
86.6606

■ 0.0000, 0.0000,
0.0000

119.9333,
119.2047, 113.1642

150.9877,

150.7081, 144.5857

186.9871,
187.3238, 181.3436

■ 16.9944, 16.0160,
13.2620

■ 16.9944, 16.0160,
13.2620

■ 15.4498, 13.8312,
9.9584

■ 18.7703, 18.4948,
17.1619

■ 14.1254, 11.9273,
7.2207

■ 20.7855, 21.2759,
21.6847

■ 13.0112, 10.2933,
5.0169

■ 23.0488, 24.3698,
26.8565

■ 12.0958, 8.9167,
3.3119

■ 25.5687, 27.7859,
32.7015

■ 11.3668, 7.7839,
2.0658

■ 28.3528, 31.5333,
39.2429

■ 10.8099, 6.8801,
1.2330

■ 31.4087, 35.6207,
46.5026

■ 10.3994, 6.1847,
0.7089

■ 34.7435, 40.0563,
54.5016

■ 10.3413, 6.0878,
0.6300

■ 38.3642, 44.8481,
63.2601

■ 42.2775, 50.0041,
72.7973

Harmonies

Analogous

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



17.6130, 16.0160, 15.9744



16.9944, 16.0160, 13.2620



15.9147, 16.0160, 11.7926

Triad

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



16.9944, 16.0160, 13.2620



13.0968, 16.0160, 15.5583



15.7551, 16.0160, 24.7993

Complementary

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



16.9944, 16.0160, 13.2620



16.4603, 18.8747, 25.3299

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.



14.5511, 16.0160, 24.6488



16.9944, 16.0160, 13.2620



13.0592, 16.0160, 18.9899

Square

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



16.9944, 16.0160, 13.2620



13.6844, 16.0160, 12.9924



13.5787, 16.0160, 22.4114



16.8723, 16.0160, 22.7987

Rectangle

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



16.9944, 16.0160, 13.2620



15.0998, 16.0160, 11.5767



13.5787, 16.0160, 22.4114



15.3463, 16.0160, 25.0057

Sweetspot

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



16.9948, 16.0167, 13.2623



36.3069, 37.0532, 37.4933



17.7247, 14.9183, 21.3922



8.0744, 8.2031, 8.2092



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.



16.9948, 16.0167, 13.2623



28.1578, 25.7009, 19.5291



19.1339, 20.2949, 13.9754



4.7556, 4.8547, 4.9158



9.6987, 5.7199, 0.5929



0.0385, 0.0296, 0.0037

Inverse Universe

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



16.4603, 18.8747, 25.3299



27.0515, 31.5851, 44.4092



14.2949, 14.5438, 24.6081



4.7106, 5.0969, 5.9363



8.5171, 10.5821, 22.7303



0.0351, 0.0478, 0.0806

Previews

White Background



This preview shows how the XYZ color 16.9944, 16.0160, 13.2620 looks on a white background.

Color Contrast Check

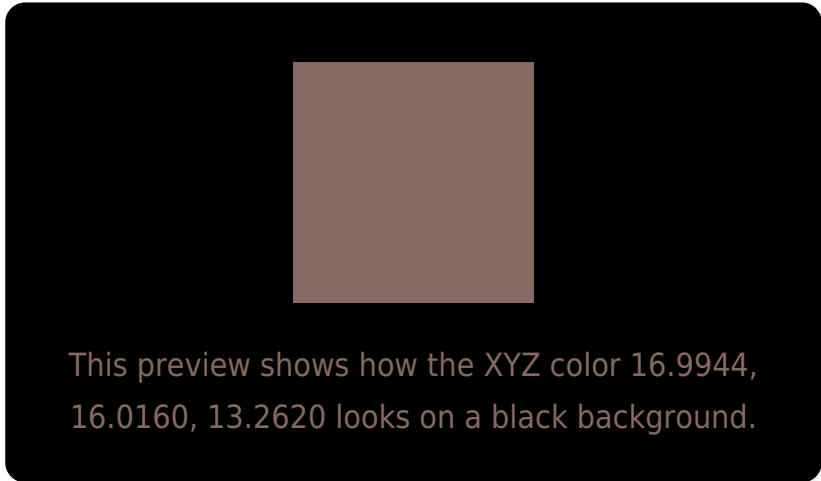
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

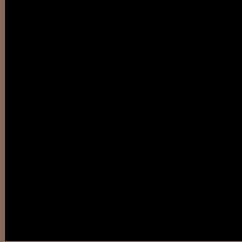
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 16.9944, 16.0160, 13.2620

Background



This preview shows how black text looks on a background with the XYZ color 16.9944, 16.0160, 13.2620.

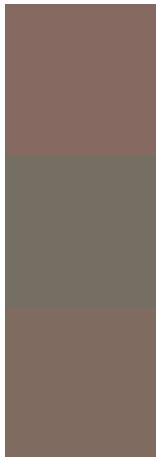


This preview shows how white text looks on a background with the XYZ color 16.9944, 16.0160,

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

16.9944, 16.0160, 13.2620

Protanopia

15.2727, 16.0516, 14.0977

Deuteranopia

16.2711, 15.9491, 13.2872



Tritanopia

17.8728, 16.0824, 17.2011

Trichromacy



Original Color

16.9944, 16.0160, 13.2620

Protanomaly

15.8416, 16.0301, 13.8144

Deuteranomaly

16.4713, 15.8984, 13.2669

Tritanomaly

17.5435, 16.0921, 15.8171

Monochromacy



Original Color

16.9944, 16.0160, 13.2620

Achromatopsia

15.6958, 16.5132, 17.9829

Achromatomaly

16.1149, 16.2783, 16.2026

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.9944, 16.0160, 13.2620 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(134, 105, 96)` looks like.

```
.text, #text, p{  
    color:rgb(134, 105, 96)  
}
```

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(134, 105, 96) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(134, 105, 96) }
```

Border

The CSS property to change the border of an element to XYZ 16.9944, 16.0160, 13.2620 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(134, 105, 96) }
```


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

```
.border{ border-color:rgb(134, 105, 96) }
```

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

Here you see how a box with a 4 pixel rgb(134, 105, 96) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(134, 105, 96); -webkit-box-  
shadow:4px 4px 4px 4px rgb(134, 105, 96);  
box-shadow:4px 4px 4px 4px rgb(134, 105,  
96) }
```

Background

The CSS property to change the background color of an element to XYZ 16.9944, 16.0160, 13.2620 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(134, 105, 96) }
```

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

```
.background{ background-color: rgb(134,  
105, 96) }
```

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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