

Converting Colors

XYZ(16.7903, 15.8979, 11.6469)

Have a look what the booklet for
XYZ(16.7903, 15.8979, 11.6469)
contains.

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Color

**XYZ(16.8464, 15.9753,
11.6468)**

Conversions

Conversions Part 1

Format	Color
Hex	876959
RGB	135, 105, 89
RGB Percent	53%, 41%, 35%
CMY	0.4706, 0.5882, 0.6510
CMYK	0.00, 0.22, 0.34, 0.47
HSL	21°, 21%, 44%
HSV	21°, 34%, 53%
XYZ	16.8464, 15.9753, 11.6468
YIQ	112.1460, 23.0160, 1.3840

Conversions

Conversions Part 2

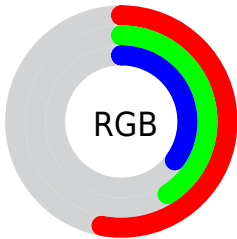
Format	Color
R_{YB}	135, 114, 89
Decimal	8874329
CIE Lab	46.94, 9.56, 13.58
CIE LCh	47, 16.609, 54.859
Yxy	15.9753, 0.3788, 0.3592
Android (android.graphics.Color)	4287064409 (0xFF876959)
YUV	112.1460, -11.4110, 20.0430
Hunter-Lab	39.9691, 5.2892, 10.7016

Details

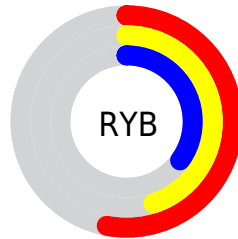
The XYZ color **16.8464, 15.9753, 11.6468** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **15.0896, 17.0662, 25.4205**, and the grayscale version is **15.4720, 16.2778, 17.7265**.

A 20% lighter version of the original color is **37.5349, 36.4598, 29.4852**, and **5.6053, 5.0853, 2.9716** is the 20% darker color. If you saturate the color by 10%, you get **15.4800, 14.0681, 8.6464**, and if you desaturate by 10%, it is **18.4104, 18.1113, 15.2265**.

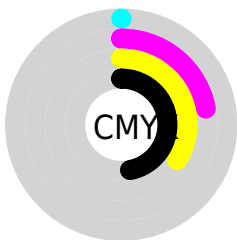
Distribution



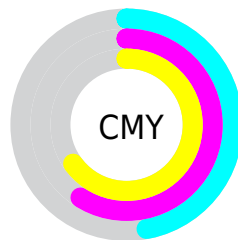
- Red (53%)
- Green (41%)
- Blue (35%)



- Red (53%)
- Yellow (45%)
- Blue (35%)



- Cyan (0%)
- Magenta (22%)
- Yellow (34%)
- Black (47%)



- Cyan (47%)
- Magenta (59%)
- Yellow (65%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.8464, 15.9753, 11.6468 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 16.8464, 15.9753, 11.6468 by changing the saturation by 10% instead.

■ 16.8464, 15.9753,
11.6468

■ 16.8464, 15.9753,
11.6468

227.4592,
229.1959, 212.9470

■ 10.2197, 9.5067,
6.3841

■ 37.6072, 36.5553,
29.5049

■ 5.6082, 5.0731,
3.0074

■ 52.4720, 51.4355,
42.9373

■ 2.6467, 2.2902,
1.0984

■ 70.8135, 69.8883,
59.9300

■ 0.9698, 0.7685,
0.0000

■ 92.9970, 92.2982,
80.9016

■ 0.0000, 0.0000,
0.0000

■ 119.3880,
119.0495, 106.2705

150.3518,

150.5266, 136.4554

186.2538,
187.1140, 171.8747

■ 16.8464, 15.9753,
11.6468

■ 16.8464, 15.9753,
11.6468

■ 15.4800, 14.0681,
8.6464

■ 18.4104, 18.1113,
15.2265

■ 14.3016, 12.3795,
6.1932

■ 20.1788, 20.4813,
19.4130

■ 13.3023, 10.9019,
4.2540

■ 22.1595, 23.0932,
24.2333

■ 12.4721, 9.6263,
2.7909

■ 24.3595, 25.9539,
29.7126

■ 11.7997, 8.5429,
1.7611

■ 26.7857, 29.0697,
35.8745

■ 11.2717, 7.6408,
1.1105

■ 29.4444, 32.4470,
42.7416

■ 11.0068, 7.1812,
0.8060

■ 32.3418, 36.0919,
50.3354

■ 35.4838, 40.0102,
58.6763

■ 38.8763, 44.2076,
67.7843

Harmonies

Analogous

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



17.8575, 15.9753, 14.2484



16.8464, 15.9753, 11.6468



15.4353, 15.9753, 10.5909

Triad

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



16.8464, 15.9753, 11.6468



12.5725, 15.9753, 16.6885



16.3868, 15.9753, 25.6938

Complementary

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



16.8464, 15.9753, 11.6468



15.0896, 17.0662, 25.4205

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.



14.9355, 15.9753, 26.6228



16.8464, 15.9753, 11.6468



12.7917, 15.9753, 20.9724

Square

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



16.8464, 15.9753, 11.6468



13.0159, 15.9753, 13.1905



13.6348, 15.9753, 24.7767



17.5805, 15.9753, 22.4082

Rectangle

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



16.8464, 15.9753, 11.6468



14.4801, 15.9753, 10.7606



13.6348, 15.9753, 24.7767



15.9104, 15.9753, 26.3121

Sweetspot

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



16.8468, 15.9760, 11.6471



37.4562, 38.4268, 37.9512



16.9341, 13.6438, 19.4045



8.5758, 8.7688, 8.5502



65.7814, 69.2071, 75.3665



9.5508, 10.0482, 10.9424

Same Dimension

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



16.8468, 15.9760, 11.6471



28.2203, 25.8960, 16.5573



19.4274, 21.1372, 12.5073



4.7953, 4.9342, 4.9290



10.1613, 6.6452, 0.7471



0.0415, 0.0357, 0.0047

Inverse Universe

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



15.0896, 17.0662, 25.4205



24.5615, 28.1504, 45.1874



12.7371, 12.3612, 24.6363



4.6689, 5.0134, 5.9224



7.2659, 8.0796, 22.3133



0.0320, 0.0417, 0.0796

Previews

White Background



This preview shows how the XYZ color 16.8464, 15.9753, 11.6468 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 16.8464, 15.9753, 11.6468 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 16.8464, 15.9753, 11.6468

Background



This preview shows how black text looks on a background with the XYZ color 16.8464, 15.9753, 11.6468.



This preview shows how white text looks on a background with the XYZ color 16.8464, 15.9753,

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

16.8464, 15.9753, 11.6468

Protanopia

15.0874, 15.9931, 12.4170

Deuteranopia

16.2668, 15.9825, 11.6788



Tritanopia

17.8824, 15.9469, 16.8874

Trichromacy



Original Color

16.8464, 15.9753, 11.6468

Protanomaly

15.6691, 15.9777, 12.1557

Deuteranomaly

16.4729, 15.9349, 11.6587

Tritanomaly

17.4019, 15.8940, 14.7211

Monochromacy



Original Color

16.8464, 15.9753, 11.6468

Achromatopsia

15.4009, 16.2029, 17.6450

Achromatomaly

15.7131, 15.9298, 15.3433

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.8464, 15.9753, 11.6468 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(135, 105, 89)` looks like.

```
.text, #text, p{  
    color:rgb(135, 105, 89)  
}
```

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(135, 105, 89) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 105, 89) }
```

Border

The CSS property to change the border of an element to XYZ 16.8464, 15.9753, 11.6468 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(135, 105, 89) }
```


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

```
.border{ border-color:rgb(135, 105, 89) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 105, 89)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 105, 89); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 105, 89);  
box-shadow:4px 4px 4px 4px rgb(135, 105,  
89) }
```

Background

The CSS property to change the background color of an element to XYZ 16.8464, 15.9753, 11.6468 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 105, 89) }
```

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

```
.background{ background-color: rgb(135,  
105, 89) }
```

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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