

Converting Colors

XYZ(16.5082, 15.8834, 14.1425)

Have a look what the booklet for
XYZ(16.5082, 15.8834, 14.1425)
contains.

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Color

**XYZ(16.5075, 15.8953,
14.2546)**

Conversions

Conversions Part 1

Format	Color
Hex	816A64
RGB	129, 106, 100
RGB Percent	51%, 42%, 39%
CMY	0.4941, 0.5843, 0.6078
CMYK	0.00, 0.18, 0.22, 0.49
HSL	12°, 13%, 45%
HSV	12°, 22%, 51%
XYZ	16.5075, 15.8953, 14.2546
YIQ	112.1930, 15.6340, 3.0100

Conversions

Conversions Part 2

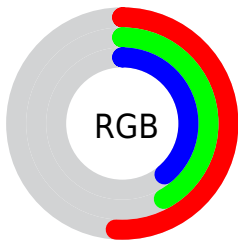
Format	Color
R_{YB}	129, 108, 100
Decimal	8481380
CIE Lab	46.84, 8.12, 6.79
CIE LCh	47, 10.580, 39.894
Yxy	15.8953, 0.3538, 0.3407
Android (android.graphics.Color)	4286671460 (0xFF816A64)
YUV	112.1930, -6.0111, 14.7397
Hunter-Lab	39.8689, 4.1363, 6.7099

Details

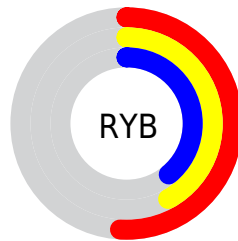
The XYZ color **16.5075, 15.8953, 14.2546** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **16.3006, 18.4595, 23.4728**, and the grayscale version is **15.4720, 16.2777, 17.7265**.

A 20% lighter version of the original color is **36.9343, 36.2934, 34.3368**, and **5.4310, 5.0472, 4.0561** is the 20% darker color. If you saturate the color by 10%, you get **14.9399, 13.6814, 10.8918**, and if you desaturate by 10%, it is **18.3006, 18.4018, 18.1808**.

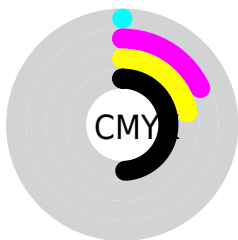
Distribution



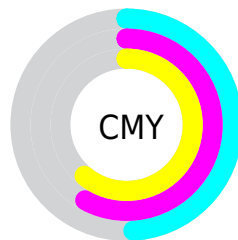
- Red (51%)
- Green (42%)
- Blue (39%)



- Red (51%)
- Yellow (42%)
- Blue (39%)



- Cyan (0%)
- Magenta (18%)
- Yellow (22%)
- Black (49%)



- Cyan (49%)
- Magenta (58%)
- Yellow (61%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.5075, 15.8953, 14.2546 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 16.5075, 15.8953, 14.2546 by changing the saturation by 10% instead.

■ 16.5075, 15.8953,
14.2546

■ 16.5075, 15.8953,
14.2546

225.5300,
228.7231, 230.2922

■ 9.9771, 9.4501,
8.1572

■ 37.0274, 36.4163,
34.2637

■ 5.4459, 5.0359,
4.1065

■ 51.7476, 51.2610,
49.0125

■ 2.5486, 2.2683,
1.6839

■ 69.9285, 69.6742,
67.4821

■ 0.9198, 0.7569,
0.3497

■ 91.9354, 92.0404,
90.0912

■ 0.0000, 0.0000,
0.0000

118.1336,
118.7440, 117.2582

148.8886,

150.1694, 149.4016

184.5656,
186.7010, 186.9402

■ 16.5075, 15.8953,
14.2546

■ 16.5075, 15.8953,
14.2546

■ 14.9399, 13.6814,
10.8918

■ 18.3006, 18.4018,
18.1808

■ 13.5876, 11.7472,
8.0654

■ 20.3265, 21.2087,
22.6936

■ 12.4411, 10.0822,
5.7478

■ 22.5936, 24.3265,
27.8162

■ 11.4902, 8.6742,
3.9085

■ 25.1097, 27.7643,
33.5702

■ 10.7234, 7.5101,
2.5138

■ 27.8821, 31.5310,
39.9760

■ 10.1281, 6.5757,
1.5252

■ 30.9178, 35.6349,
47.0533

■ 9.6898, 5.8552,
0.8980

■ 34.2236, 40.0843,
54.8209

■ 9.4384, 5.4374,
0.5521

■ 37.8060, 44.8871,
63.2968

■ 41.6712, 50.0507,
72.4984

Harmonies

Analogous

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



16.9201, 15.8953, 16.4505



16.5075, 15.8953, 14.2546



15.7248, 15.8953, 12.9690

Triad

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



16.5075, 15.8953, 14.2546



13.5056, 15.8953, 15.6221



15.4143, 15.8953, 22.7984

Complementary

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



16.5075, 15.8953, 14.2546



16.3006, 18.4595, 23.4728

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.



14.5075, 15.8953, 22.5189



16.5075, 15.8953, 14.2546



13.4301, 15.8953, 18.1933

Square

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



16.5075, 15.8953, 14.2546



14.0007, 15.8953, 13.7012



13.7899, 15.8953, 20.7674



16.2722, 15.8953, 21.4963

Rectangle

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



16.5075, 15.8953, 14.2546



15.1113, 15.8953, 12.7158



13.7899, 15.8953, 20.7674



15.1047, 15.8953, 22.8891

Sweetspot

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



16.5079, 15.8960, 14.2549



34.6481, 35.5574, 36.7205



17.1982, 15.2167, 20.8353



7.8064, 7.9983, 8.2312



62.3462, 65.5931, 71.4309



8.4577, 8.8982, 9.6901

Same Dimension

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



16.5079, 15.8960, 14.2549



28.0660, 26.3589, 22.3012



18.1062, 19.0925, 14.7877



4.3944, 4.4774, 4.5527



9.2052, 5.3068, 0.5391



0.0000, 0.0000, 0.0000

Inverse Universe

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



16.3006, 18.4595, 23.4728



27.6240, 31.7986, 41.8743



14.6548, 15.1678, 22.9242



4.3732, 4.7405, 5.4978



8.5276, 10.8736, 21.8993



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 16.5075, 15.8953, 14.2546 looks on a white background.

Color Contrast Check

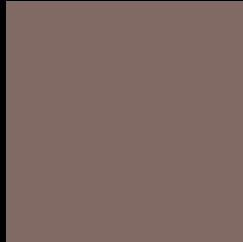
Large Text (above 18pt) WCAG AA ✓ Pass

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 16.5075, 15.8953, 14.2546 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 16.5075, 15.8953, 14.2546

Background



This preview shows how black text looks on a background with the XYZ color 16.5075, 15.8953, 14.2546.

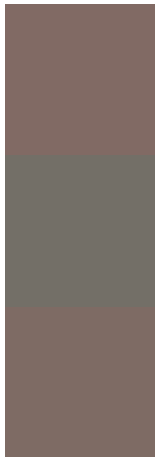


This preview shows how white text looks on a background with the XYZ color 16.5075, 15.8953,

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

16.5075, 15.8953, 14.2546

Protanopia

15.2029, 15.9930, 15.1176

Deuteranopia

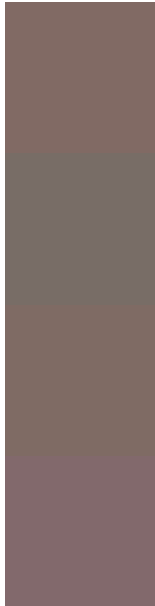
16.1621, 15.8711, 14.2682



Tritanopia

17.0809, 15.8163, 17.4818

Trichromacy



Original Color

16.5075, 15.8953, 14.2546

Protanomaly

15.6126, 15.8897, 14.8145

Deuteranomaly

16.3103, 15.9475, 14.2751

Tritanomaly

16.9643, 15.9317, 16.3684

Monochromacy



Original Color

16.5075, 15.8953, 14.2546

Achromatopsia

15.4009, 16.2029, 17.6450

Achromatomaly

15.7539, 16.0861, 16.4620

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.5075, 15.8953, 14.2546 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(129, 106, 100)` looks like.

```
.text, #text, p{  
    color:rgb(129, 106, 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(129, 106, 100) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 106, 100) }
```

Border

The CSS property to change the border of an element to XYZ 16.5075, 15.8953, 14.2546 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(129, 106, 100) }
```


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

```
.border{ border-color:rgb(129, 106, 100) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 106, 100)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 106, 100); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 106, 100);  
box-shadow:4px 4px 4px 4px rgb(129, 106,  
100) }
```

Background

The CSS property to change the background color of an element to XYZ 16.5075, 15.8953, 14.2546 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 106, 100) }
```

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

```
.background{ background-color: rgb(129,  
106, 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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