

# Converting Colors

XYZ(17.9934, 16.5852, 15.6193)

Have a look what the booklet for  
XYZ(17.9934, 16.5852, 15.6193)  
contains.

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# Color

**XYZ(18.0204, 16.6464,  
15.6279)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	896A69
RGB	137, 106, 105
RGB Percent	54%, 42%, 41%
CMY	0.4627, 0.5843, 0.5882
CMYK	0.00, 0.23, 0.23, 0.46
HSL	2°, 13%, 47%
HSV	2°, 23%, 54%
XYZ	18.0204, 16.6464, 15.6279
YIQ	115.1550, 18.7970, 6.2610

# Conversions

## Conversions Part 2

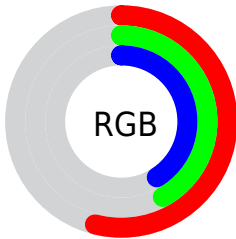
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	137, 106, 105
Decimal	9005673
CIE Lab	47.81, 12.19, 5.30
CIE LCh	48, 13.295, 23.513
Yxy	16.6464, 0.3583, 0.3310
Android (android.graphics.Color)	4287195753 (0xFF896A69)
YUV	115.1550, -5.0064, 19.1581
Hunter-Lab	40.8000, 7.4392, 5.8498

# Details

The XYZ color **18.0204, 16.6464, 15.6279** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **19.1450, 22.4171, 26.9849**, and the grayscale version is **16.3539, 17.2055, 18.7368**.

A 20% lighter version of the original color is **39.5436, 37.5906, 36.6240**, and **6.1654, 5.4119, 4.7226** is the 20% darker color. If you saturate the color by 10%, you get **16.1089, 13.8608, 11.7921**, and if you desaturate by 10%, it is **20.2580, 19.9022, 20.1325**.

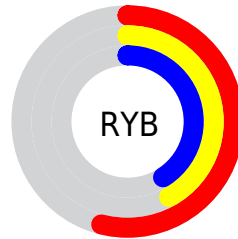
# Distribution



Red (54%)

Green (42%)

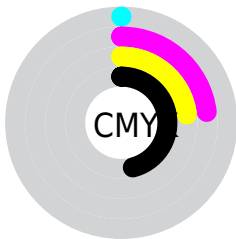
Blue (41%)



Red (54%)

Yellow (42%)

Blue (41%)

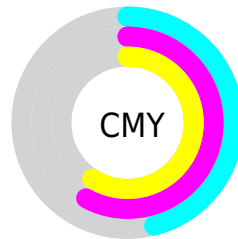


Cyan (0%)

Magenta (23%)

Yellow (23%)

Black (46%)



Cyan (46%)

Magenta (58%)


Yellow (59%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 18.0204, 16.6464, 15.6279 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 18.0204, 16.6464, 15.6279 by changing the saturation by 10% instead.





 18.0204, 16.6464,  
15.6279


 18.0204, 16.6464,  
15.6279


234.0294,  
233.1264, 238.9062


 11.0644, 9.9827,  
9.1097


 39.6019, 37.7168,  
36.7088


 6.1778, 5.3875,  
4.7150


 54.9581, 52.8923,  
52.1085

 2.9952, 2.4764,  
2.0253

 73.8451, 71.6739,  
71.3059

 1.1512, 0.8648,  
0.5707

 96.6283, 94.4459,  
94.7195

 0.0673, 0.0000,  
0.0000

123.6729,  
121.5927, 122.7678

 0.0000, 0.0000,  
0.0000

155.3444,

153.4988, 155.8693

192.0081,  
190.5486, 194.4426

■ 18.0204, 16.6464,  
15.6279

■ 18.0204, 16.6464,  
15.6279

■ 16.1089, 13.8608,  
11.7921

■ 20.2580, 19.9022,  
20.1325

■ 14.5069, 11.5216,  
8.5922

■ 22.8343, 23.6461,  
25.3346

■ 13.1986, 9.6063,  
5.9942

■ 25.7633, 27.8979,  
31.2623

■ 12.1662, 8.0894,  
3.9605

■ 29.0574, 32.6755,  
37.9420

■ 11.3898, 6.9430,  
2.4493

■ 32.7286, 37.9961,  
45.3988

■ 10.8471, 6.1352,  
1.4127

■ 36.7884, 43.8760,  
53.6566

■ 10.5118, 5.6290,  
0.7938

■ 41.2476, 50.3309,  
62.7382

■ 10.3632, 5.4116,  
0.4983

■ 46.1169, 57.3758,  
72.6656

■ 51.4063, 65.0251,  
83.4599

# Harmonies

## Analogous

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



18.2128, 16.6464, 18.8776



18.0204, 16.6464, 15.6279



17.2258, 16.6464, 13.3388

# Triad

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



18.0204, 16.6464, 15.6279



14.0480, 16.6464, 14.4918



15.5641, 16.6464, 25.4693

# Complementary

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



18.0204, 16.6464, 15.6279



19.1450, 22.4171, 26.9849

# 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.



14.4964, 16.6464, 23.9380



18.0204, 16.6464, 15.6279



13.6500, 16.6464, 17.3929

# Square

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



18.0204, 16.6464, 15.6279



14.9241, 16.6464, 12.7428



13.8099, 16.6464, 20.8751



16.7550, 16.6464, 24.8427



# Rectangle

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



18.0204, 16.6464, 15.6279



16.4820, 16.6464, 12.5262



13.8099, 16.6464, 20.8751



15.1797, 16.6464, 25.1842

# Sweetspot

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



18.0209, 16.6472, 15.6282



39.0669, 39.6944, 41.6815



19.8455, 17.2126, 25.7434



8.7136, 8.8322, 9.2501



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.



18.0209, 16.6472, 15.6282



30.3998, 27.0847, 24.2276



19.7689, 20.1432, 16.2109



5.0446, 5.0721, 5.2655



9.6549, 5.0443, 0.4648



0.0656, 0.0364, 0.0036



# Inverse Universe

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



19.1450, 22.4171, 26.9849



32.7757, 39.2822, 48.2379



17.1140, 18.3551, 26.3079



5.1596, 5.6622, 6.4268



11.9833, 17.2369, 24.7412



0.0816, 0.1184, 0.1650



# Previews

## White Background



This preview shows how the XYZ color 18.0204, 16.6464, 15.6279 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 18.0204, 16.6464, 15.6279 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 18.0204, 16.6464, 15.6279**

## **Background**



This preview shows how black text looks on a background with the XYZ color 18.0204, 16.6464, 15.6279.



This preview shows how white text looks on a background with the XYZ color 18.0204, 16.6464,



# 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

18.0204, 16.6464, 15.6279

### Protanopia

16.0016, 16.6963, 16.8473

### Deuteranopia

16.9767, 16.7405, 15.4332



## Tritanopia

18.5134, 16.6987, 17.8702

# Trichromacy



## Original Color

18.0204, 16.6464, 15.6279

## Protanomaly

16.5949, 16.5197, 16.5013

## Deuteranomaly

17.3274, 16.7620, 15.4188

## Tritanomaly

18.3473, 16.6322, 16.9952

# Monochromacy



## Original Color

18.0204, 16.6464, 15.6279

## Achromatopsia

16.2955, 17.1441, 18.6699

## Achromatomaly

16.8318, 16.9470, 17.4229

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 18.0204, 16.6464, 15.6279 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(137, 106, 105)` looks like.

```
.text, #text, p{  
    color:rgb(137, 106, 105)  
}
```

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(137, 106, 105) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 106, 105) }
```

## Border

The CSS property to change the border of an element to XYZ 18.0204, 16.6464, 15.6279 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(137, 106, 105) }
```



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

```
.border{ border-color:rgb(137, 106, 105) }
```

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

Here you see how a box with a 4 pixel `rgb(137, 106, 105)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(137, 106, 105); -webkit-box-shadow:4px 4px 4px 4px rgb(137, 106, 105); box-shadow:4px 4px 4px 4px rgb(137, 106, 105) }
```

# Background

The CSS property to change the background color of an element to XYZ 18.0204, 16.6464, 15.6279 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 106, 105) }
```

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

```
.background{ background-color: rgb(137,  
106, 105) }
```

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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