

Converting Colors

XYZ(16.8546, 18.5165, 9.1643)

Have a look what the booklet for
XYZ(16.8546, 18.5165, 9.1643)
contains.

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Color

**XYZ(16.8546, 18.5165,
9.1643)**

Conversions

Conversions Part 1

Format	Color
Hex	80784A
RGB	128, 120, 74
RGB Percent	50%, 47%, 29%
CMY	0.4980, 0.5294, 0.7098
CMYK	0.00, 0.06, 0.42, 0.50
HSL	51°, 27%, 40%
HSV	51°, 42%, 50%
XYZ	16.8546, 18.5165, 9.1643
YIQ	117.1480, 19.5340, -12.6100

Conversions

Conversions Part 2

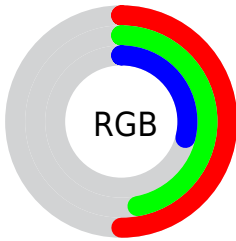
Format	Color
R _Y B	83, 128, 74
Decimal	8419402
CIE Lab	50.12, -4.08, 26.35
CIE LCh	50, 26.660, 98.799
Yxy	18.5165, 0.3785, 0.4158
Android (android.graphics.Color)	4286609482 (0xFF80784A)
YUV	117.1480, -21.2720, 9.5172
Hunter-Lab	43.0308, -5.3878, 17.4945

Details

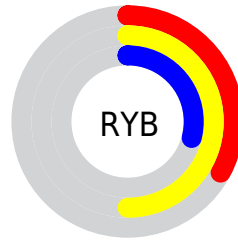
The XYZ color **16.8546, 18.5165, 9.1643** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **9.7376, 9.0488, 21.6555**, and the grayscale version is **17.0144, 17.9005, 19.4937**.

A 20% lighter version of the original color is **37.6191, 40.8802, 24.6468**, and **5.5875, 6.2964, 2.0194** is the 20% darker color. If you saturate the color by 10%, you get **16.2410, 17.9105, 7.0445**, and if you desaturate by 10%, it is **17.5614, 19.1683, 11.7486**.

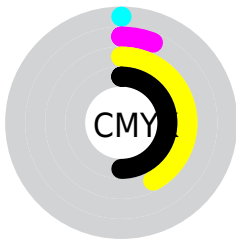
Distribution



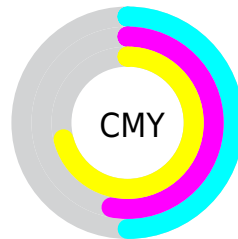
- Red (50%)
- Green (47%)
- Blue (29%)



- Red (33%)
- Yellow (50%)
- Blue (29%)



- Cyan (0%)
- Magenta (6%)
- Yellow (42%)
- Black (50%)



- Cyan (50%)
- Magenta (53%)
- Yellow (71%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.8546, 18.5165, 9.1643 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 16.8546, 18.5165, 9.1643 by changing the saturation by 10% instead.

■ 16.8546, 18.5165,
9.1643

■ 16.8546, 18.5165,
9.1643

227.5057,
243.7664, 194.8619

■ 10.2255, 11.3214,
4.7502

■ 37.6212, 40.9155,
24.7941

■ 5.6122, 6.2835,
2.0453

■ 52.4895, 56.8882,
36.8468

■ 2.6491, 3.0182,
0.5829

■ 70.8348, 76.5556,
52.2829

■ 0.9711, 1.1412,
0.0000

■ 93.0226, 100.3020,
71.5208

■ 0.0000, 0.0129,
0.0000

■ 119.4183,
128.5119, 94.9791

■ 0.0000, 0.0000,
0.0000

150.3871,

161.5697, 123.0764

186.2945,
199.8597, 156.2311

■ 16.8546, 18.5165,
9.1643

■ 16.8546, 18.5165,
9.1643

■ 16.2410, 17.9105,
7.0445

■ 17.5614, 19.1683,
11.7486

■ 15.7138, 17.3456,
5.3598

■ 18.3650, 19.8655,
14.8222

■ 15.2676, 16.8203,
4.0793

■ 19.2705, 20.6106,
18.4093

■ 14.8955, 16.3317,
3.1675

■ 20.2819, 21.4055,
22.5323

■ 14.5897, 15.8766,
2.5827

■ 21.4035, 22.2519,
27.2123

■ 14.3754, 15.5358,
2.2410

■ 22.6390, 23.1512,
32.4692

■ 23.9919, 24.1050,
38.3219

■ 25.4659, 25.1147,
44.7884

■ 27.0641, 26.1816,
51.8861

Harmonies

Analogous

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



19.4467, 18.5165, 9.6399



16.8546, 18.5165, 9.1643



14.6824, 18.5165, 11.0244

Triad

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



16.8546, 18.5165, 9.1643



14.0239, 18.5165, 30.3870



22.6175, 18.5165, 25.7217

Complementary

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



16.8546, 18.5165, 9.1643



9.7376, 9.0488, 21.6555

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.



20.8792, 18.5165, 33.3169



16.8546, 18.5165, 9.1643



15.8729, 18.5165, 36.4338

Square

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



16.8546, 18.5165, 9.1643



13.1557, 18.5165, 22.4035



18.3658, 18.5165, 37.6199



22.9455, 18.5165, 18.0740

Rectangle

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



16.8546, 18.5165, 9.1643



13.7037, 18.5165, 13.6854



18.3658, 18.5165, 37.6199



22.1712, 18.5165, 28.4129

Sweetspot

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



16.8551, 18.5174, 9.1647



33.7421, 36.1378, 31.6637



12.8779, 10.0977, 9.2732



7.8259, 8.4008, 7.1176



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.



16.8551, 18.5174, 9.1647



28.5960, 31.5355, 12.4072



15.2744, 19.1904, 9.3779



4.6128, 4.9143, 4.6256



14.2550, 15.4064, 2.2224



0.0000, 0.0000, 0.0000

Inverse Universe

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



9.7376, 9.0488, 21.6555



14.2513, 12.4616, 37.6105



10.8494, 8.7783, 21.5447



4.1563, 4.3066, 5.4255



4.0943, 2.0072, 20.4216



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 16.8546, 18.5165, 9.1643 looks on a white background.

Color Contrast Check

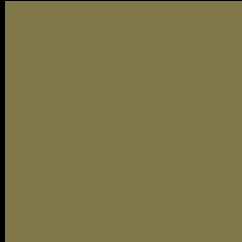
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 16.8546, 18.5165, 9.1643 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

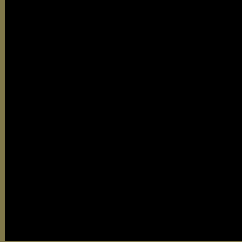
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 16.8546, 18.5165, 9.1643

Background



This preview shows how black text looks on a background with the XYZ color 16.8546, 18.5165, 9.1643.



This preview shows how white text looks on a background with the XYZ color 16.8546, 18.5165,

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

16.8546, 18.5165, 9.1643

Protanopia

17.0388, 18.4339, 9.1386

Deuteranopia

18.7889, 18.4719, 9.2318



Tritanopia

19.2653, 18.4512, 21.2849

Trichromacy



Original Color

16.8546, 18.5165, 9.1643

Protanomaly

16.8861, 18.3552, 9.1315

Deuteranomaly

17.9966, 18.4021, 9.2600

Tritanomaly

18.1553, 18.3360, 15.9469

Monochromacy



Original Color

16.8546, 18.5165, 9.1643

Achromatopsia

16.9083, 17.7888, 19.3720

Achromatomaly

16.7126, 17.9614, 14.8980

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.8546, 18.5165, 9.1643 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(128, 120, 74)` looks like.

```
.text, #text, p{  
    color:rgb(128, 120, 74)  
}
```

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(128, 120, 74) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 120, 74) }
```

Border

The CSS property to change the border of an element to XYZ 16.8546, 18.5165, 9.1643 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(128, 120, 74) }
```


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

```
.border{ border-color:rgb(128, 120, 74) }
```

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

Here you see how a box with a 4 pixel rgb(128, 120, 74) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 120, 74); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 120, 74);  
box-shadow:4px 4px 4px 4px rgb(128, 120,  
74) }
```

Background

The CSS property to change the background color of an element to XYZ 16.8546, 18.5165, 9.1643 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 120, 74) }
```

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

```
.background{ background-color: rgb(128,  
120, 74) }
```

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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