

Converting Colors

XYZ(18.0060, 21.3671, 16.1201)

Have a look what the booklet for
XYZ(18.0060, 21.3671, 16.1201)
contains.

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Color

**XYZ(18.0382, 21.4673,
16.0249)**

Conversions

Conversions Part 1

Format	Color
Hex	748567
RGB	116, 133, 103
RGB Percent	45%, 52%, 40%
CMY	0.5451, 0.4784, 0.5961
CMYK	0.13, 0.00, 0.23, 0.48
HSL	94°, 13%, 46%
HSV	94°, 23%, 52%
XYZ	18.0382, 21.4673, 16.0249
YIQ	124.4970, -0.5020, -12.9340

Conversions

Conversions Part 2

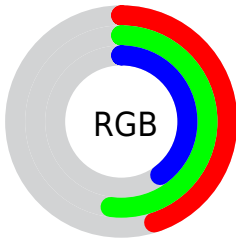
Format	Color
RYB	103, 133, 120
Decimal	7636327
CIELab	53.46, -12.05, 14.16
CIELCh	53, 18.592, 130.398
Yxy	21.4673, 0.3248, 0.3866
Android (android.graphics.Color)	4285826407 (0xFF748567)
YUV	124.4970, -10.5980, -7.4519
Hunter-Lab	46.3328, -11.5892, 11.9266

Details

The XYZ color **18.0382, 21.4673, 16.0249** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **16.8304, 15.3876, 24.2744**, and the grayscale version is **19.3591, 20.3673, 22.1800**.

A 20% lighter version of the original color is **39.5401, 45.7757, 37.3235**, and **6.1218, 7.6653, 4.8983** is the 20% darker color. If you saturate the color by 10%, you get **16.4616, 20.7263, 12.7392**, and if you desaturate by 10%, it is **19.8035, 22.2946, 19.8747**.

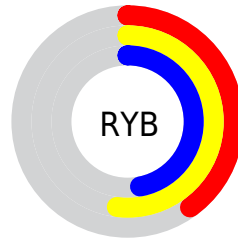
Distribution



Red (45%)

Green (52%)

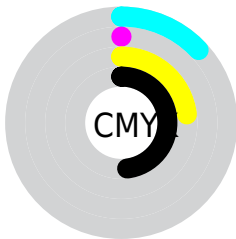
Blue (40%)



Red (40%)

Yellow (52%)

Blue (47%)

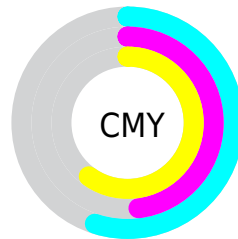


Cyan (13%)

Magenta (0%)

Yellow (23%)

Black (48%)



Cyan (55%)

Magenta (48%)

Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.0382, 21.4673, 16.0249 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 18.0382, 21.4673, 16.0249 by changing the saturation by 10% instead.

■ 18.0382, 21.4673,
16.0249

■ 18.0382, 21.4673,
16.0249

234.1277,
259.7516, 241.3393

■ 11.0773, 13.4660,
9.3872

■ 39.6320, 45.8640,
37.4088

■ 6.1865, 7.7502,
4.8944

■ 54.9955, 63.0281,
52.9921

■ 3.0006, 3.9355,
2.1278

■ 73.8907, 84.0154,
72.3944

■ 1.1541, 1.6376,
0.6322

■ 96.6828, 109.2101,
96.0342

■ 0.0696, 0.3827,
0.0000

123.7372,
138.9967, 124.3301

■ 0.0000, 0.0000,
0.0000

155.4192,

173.7595, 157.7005

192.0943,
213.8830, 196.5641

■ 18.0382, 21.4673,
16.0249

■ 18.0382, 21.4673,
16.0249

■ 16.4616, 20.7263,
12.7392

■ 19.8035, 22.2946,
19.8747

■ 15.0650, 20.0657,
9.9898

■ 21.7623, 23.2082,
24.3119

■ 13.8416, 19.4834,
7.7485

■ 23.9214, 24.2118,
29.3603

■ 12.7835, 18.9758,
5.9840

■ 26.2866, 25.3078,
35.0419

■ 11.8818, 18.5393,
4.6616

■ 28.8637, 26.4988,
41.3776

■ 11.1268, 18.1697,
3.7418

■ 31.6580, 27.7870,
48.3873

■ 10.5074, 17.8622,
3.1782

■ 34.6747, 29.1748,
56.0901

■ 10.1114, 17.6643,
2.8766

■ 37.9189, 30.6644,
64.5043

■ 41.3954, 32.2578,
73.6476

Harmonies

Analogous

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



19.7256, 21.4673, 14.2181



18.0382, 21.4673, 16.0249



17.0284, 21.4673, 19.9088

Triad

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



18.0382, 21.4673, 16.0249



19.1551, 21.4673, 35.2033



24.3760, 21.4673, 21.4639

Complementary

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



18.0382, 21.4673, 16.0249



16.8304, 15.3876, 24.2744

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.



24.1987, 21.4673, 27.2201



18.0382, 21.4673, 16.0249



21.0978, 21.4673, 35.8007

Square

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



18.0382, 21.4673, 16.0249



17.6438, 21.4673, 31.1637



22.9682, 21.4673, 32.6842



23.4381, 21.4673, 17.0047

Rectangle

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



18.0382, 21.4673, 16.0249



16.8339, 21.4673, 23.4500



22.9682, 21.4673, 32.6842



24.4463, 21.4673, 23.2987

Sweetspot

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



18.0388, 21.4682, 16.0254



37.3120, 40.7867, 39.7455



18.8383, 19.3996, 15.5839



8.3702, 9.1721, 8.8730



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.



18.0388, 21.4682, 16.0254



30.8329, 37.7531, 25.5981



16.5315, 20.6795, 16.4852



4.7935, 5.2961, 4.9990



9.6398, 16.8294, 2.7403



0.0415, 0.0625, 0.0099

Inverse Universe

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



16.8304, 15.3876, 24.2744



28.2755, 24.8870, 43.0518



18.6206, 16.3263, 23.6436



4.6682, 4.6650, 5.8552



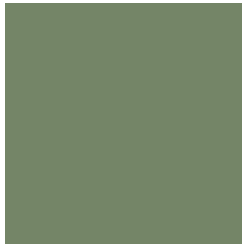
6.8336, 3.0570, 21.3666



0.0321, 0.0149, 0.0744

Previews

White Background



This preview shows how the XYZ color 18.0382, 21.4673, 16.0249 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 18.0382, 21.4673, 16.0249 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

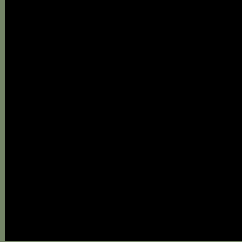
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 18.0382, 21.4673, 16.0249

Background



This preview shows how black text looks on a background with the XYZ color 18.0382, 21.4673, 16.0249.



This preview shows how white text looks on a background with the XYZ color 18.0382, 21.4673,

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

18.0382, 21.4673, 16.0249

Protanopia

20.0430, 21.3331, 15.1179

Deuteranopia

21.8455, 21.4817, 16.3596



Tritanopia

20.1918, 21.3383, 27.0992

Trichromacy



Original Color

18.0382, 21.4673, 16.0249

Protanomaly

19.2525, 21.3072, 15.4099

Deuteranomaly

20.2414, 21.4125, 16.1629

Tritanomaly

19.2921, 21.3679, 22.5096

Monochromacy



Original Color

18.0382, 21.4673, 16.0249

Achromatopsia

19.1579, 20.1556, 21.9495

Achromatomaly

18.6269, 20.5046, 19.4990

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.0382, 21.4673, 16.0249 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(116, 133, 103)` looks like.

```
.text, #text, p{  
    color:rgb(116, 133, 103)  
}
```

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(116, 133, 103) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 133, 103) }
```

Border

The CSS property to change the border of an element to XYZ 18.0382, 21.4673, 16.0249 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(116, 133, 103) }
```


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

```
.border{ border-color:rgb(116, 133, 103) }
```

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

Here you see how a box with a 4 pixel `rgb(116, 133, 103)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 133, 103); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 133, 103);  
box-shadow:4px 4px 4px 4px rgb(116, 133,  
103) }
```

Background

The CSS property to change the background color of an element to XYZ 18.0382, 21.4673, 16.0249 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 133, 103) }
```

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

```
.background{ background-color: rgb(116,  
133, 103) }
```

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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