

Converting Colors

XYZ(16.1270, 18.9565, 13.8753)

Have a look what the booklet for
XYZ(16.1270, 18.9565, 13.8753)
contains.

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Color

**XYZ(16.1270, 18.9565,
13.8753)**

Conversions

Conversions Part 1

Format	Color
Hex	707D60
RGB	112, 125, 96
RGB Percent	44%, 49%, 38%
CMY	0.5608, 0.5098, 0.6235
CMYK	0.10, 0.00, 0.23, 0.51
HSL	87°, 13%, 43%
HSV	87°, 23%, 49%
XYZ	16.1270, 18.9565, 13.8753
YIQ	117.8070, 1.5610, -11.7750

Conversions

Conversions Part 2

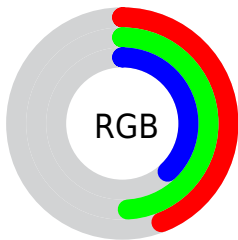
Format	Color
R_{YB}	96, 125, 109
Decimal	7372128
CIE _{Lab}	50.64, -10.42, 14.25
CIE _{LCh}	51, 17.649, 126.183
Yxy	18.9565, 0.3294, 0.3872
Android (android.graphics.Color)	4285562208 (0xFF707D60)
YUV	117.8070, -10.7509, -5.0927
Hunter-Lab	43.5391, -10.0764, 11.5824

Details

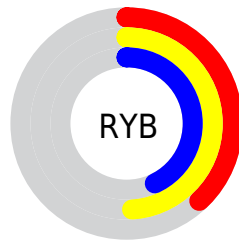
The XYZ color **16.1270, 18.9565, 13.8753** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **14.1920, 13.0981, 21.1833**, and the grayscale version is **17.1921, 18.0875, 19.6972**.

A 20% lighter version of the original color is **36.4967, 41.8399, 33.7561**, and **5.2745, 6.4892, 3.9921** is the 20% darker color. If you saturate the color by 10%, you get **14.9058, 18.3888, 11.0491**, and if you desaturate by 10%, it is **17.4852, 19.5854, 17.1865**.

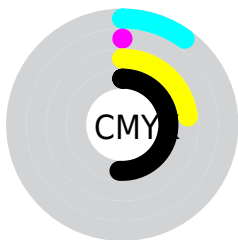
Distribution



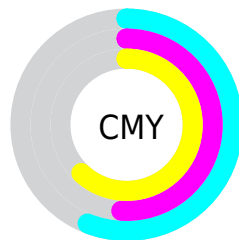
- Red (44%)
- Green (49%)
- Blue (38%)



- Red (38%)
- Yellow (49%)
- Blue (43%)



- Cyan (10%)
- Magenta (0%)
- Yellow (23%)
- Black (51%)



- Cyan (56%)
- Magenta (51%)
- Yellow (62%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.1270, 18.9565, 13.8753 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 16.1270, 18.9565, 13.8753 by changing the saturation by 10% instead.

■ 16.1270, 18.9565,
13.8753

■ 16.1270, 18.9565,
13.8753

223.3456,
246.2085, 227.8551

■ 9.7055, 11.6388,
7.8962

■ 36.3742, 41.6606,
33.5815

■ 5.2649, 6.4983,
3.9418

■ 50.9306, 57.8158,
48.1458

■ 2.4399, 3.1504,
1.5935

■ 68.9294, 77.6857,
66.4088

■ 0.8650, 1.2107,
0.2862

■ 90.7358, 101.6546,
88.7892

■ 0.0000, 0.0704,
0.0000

116.7153,
130.1069, 115.7055

■ 0.0000, 0.0000,
0.0000

147.2332,

163.4271, 147.5762

182.6549,
201.9995, 184.8199

■ 16.1270, 18.9565,
13.8753

■ 16.1270, 18.9565,
13.8753

■ 14.9058, 18.3888,
11.0491

■ 17.4852, 19.5854,
17.1865

■ 13.8148, 17.8776,
8.6839

■ 18.9836, 20.2749,
21.0026

■ 12.8493, 17.4215,
6.7555

■ 20.6274, 21.0279,
25.3442

■ 12.0031, 17.0181,
5.2369

■ 22.4208, 21.8462,
30.2301

■ 11.2698, 16.6644,
4.0984

■ 24.3679, 22.7314,
35.6783

■ 10.6419, 16.3577,
3.3059

■ 26.4728, 23.6853,
41.7060

■ 10.1108, 16.0941,
2.8176

■ 28.7392, 24.7094,
48.3295

■ 9.7853, 15.9317,
2.5594

■ 31.1708, 25.8053,
55.5647

■ 33.7712, 26.9745,
63.4267

Harmonies

Analogous

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



17.6622, 18.9565, 12.5542



16.1270, 18.9565, 13.8753



15.1466, 18.9565, 17.0325

Triad

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



16.1270, 18.9565, 13.8753



16.7093, 18.9565, 30.6229



21.5255, 18.9565, 19.6328

Complementary

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



16.1270, 18.9565, 13.8753



14.1920, 13.0981, 21.1833

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.



21.2302, 18.9565, 24.7249



16.1270, 18.9565, 13.8753



18.3777, 18.9565, 31.6153

Square

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



16.1270, 18.9565, 13.8753



15.4675, 18.9565, 26.7809



20.0504, 18.9565, 29.3095



20.8336, 18.9565, 15.5186

Rectangle

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



16.1270, 18.9565, 13.8753



14.9026, 18.9565, 20.0136



20.0504, 18.9565, 29.3095



21.5390, 18.9565, 21.2801

Sweetspot

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



16.1275, 18.9573, 13.8757



32.8978, 35.8022, 34.7863



15.9920, 16.0502, 13.3217



7.4570, 8.1317, 7.8461



60.6688, 63.8283, 69.5090



7.9400, 8.3535, 9.0970

Same Dimension

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



16.1275, 18.9573, 13.8757



27.6513, 33.3757, 21.9702



14.4753, 18.1056, 13.7984



4.4851, 4.9265, 4.6346



10.2042, 16.6228, 2.6707



0.0000, 0.0000, 0.0000

Inverse Universe

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



14.1920, 13.0981, 21.1833



23.5288, 20.8944, 37.5373



16.0632, 14.0628, 21.2708



4.2776, 4.2987, 5.4176



5.5601, 2.4201, 20.4240



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 16.1270, 18.9565, 13.8753 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 16.1270, 18.9565, 13.8753 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

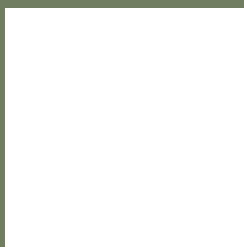
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 16.1270, 18.9565, 13.8753

Background



This preview shows how black text looks on a background with the XYZ color 16.1270, 18.9565, 13.8753.



This preview shows how white text looks on a background with the XYZ color 16.1270, 18.9565,

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

16.1270, 18.9565, 13.8753

Protanopia

17.6389, 18.8303, 13.2946

Deuteranopia

19.2652, 18.9481, 14.1972



Tritanopia

18.0819, 18.8266, 23.8000

Trichromacy



Original Color

16.1270, 18.9565, 13.8753

Protanomaly

17.0511, 18.8829, 13.5725

Deuteranomaly

17.9604, 18.8025, 13.9919

Tritanomaly

17.2998, 18.8719, 19.8704

Monochromacy



Original Color

16.1270, 18.9565, 13.8753

Achromatopsia

17.2197, 18.1164, 19.7288

Achromatomaly

16.8543, 18.5135, 17.4370

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.1270, 18.9565, 13.8753 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(112, 125, 96)` looks like.

```
.text, #text, p{  
    color:rgb(112, 125, 96)  
}
```

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(112, 125, 96) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 125, 96) }
```

Border

The CSS property to change the border of an element to XYZ 16.1270, 18.9565, 13.8753 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(112, 125, 96) }
```


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

```
.border{ border-color:rgb(112, 125, 96) }
```

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

Here you see how a box with a 4 pixel `rgb(112, 125, 96)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 125, 96); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 125, 96);  
box-shadow:4px 4px 4px 4px rgb(112, 125,  
96) }
```

Background

The CSS property to change the background color of an element to XYZ 16.1270, 18.9565, 13.8753 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 125, 96) }
```

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

```
.background{ background-color: rgb(112,  
125, 96) }
```

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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