

Converting Colors

XYZ(16.2225, 18.4855, 11.9994)

Have a look what the booklet for
XYZ(16.2225, 18.4855, 11.9994)
contains.

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Color

**XYZ(16.1922, 18.4752,
11.9452)**

Conversions

Conversions Part 1

Format	Color
Hex	767A58
RGB	118, 122, 88
RGB Percent	46%, 48%, 35%
CMY	0.5373, 0.5216, 0.6549
CMYK	0.03, 0.00, 0.28, 0.52
HSL	67°, 16%, 41%
HSV	67°, 28%, 48%
XYZ	16.1922, 18.4752, 11.9452
YIQ	116.9280, 8.5300, -11.4220

Conversions

Conversions Part 2

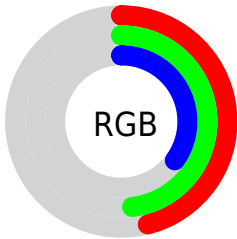
Format	Color
R_{YB}	88, 122, 92
Decimal	7764568
CIE _{Lab}	50.07, -7.60, 18.17
CIE _{LCh}	50, 19.690, 112.690
Yxy	18.4752, 0.3474, 0.3964
Android (android.graphics.Color)	4285954648 (0xFF767A58)
YUV	116.9280, -14.2615, 0.9401
Hunter-Lab	42.9828, -7.9765, 13.6109

Details

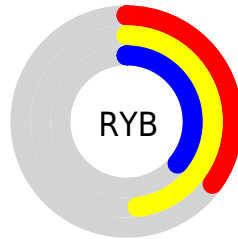
The XYZ color **16.1922, 18.4752, 11.9452** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **11.4170, 10.6604, 19.8693**, and the grayscale version is **16.9275, 17.8091, 19.3941**.

A 20% lighter version of the original color is **36.5181, 40.7650, 29.9885**, and **5.2547, 6.1975, 3.1098** is the 20% darker color. If you saturate the color by 10%, you get **15.5352, 18.1907, 9.4936**, and if you desaturate by 10%, it is **16.9378, 18.7968, 14.8433**.

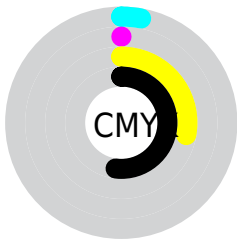
Distribution



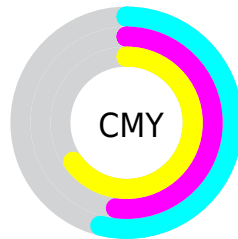
- Red (46%)
- Green (48%)
- Blue (35%)



- Red (35%)
- Yellow (48%)
- Blue (36%)



- Cyan (3%)
- Magenta (0%)
- Yellow (28%)
- Black (52%)



- Cyan (54%)
- Magenta (52%)
- Yellow (65%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.1922, 18.4752, 11.9452 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 16.1922, 18.4752, 11.9452 by changing the saturation by 10% instead.

■ 16.1922, 18.4752,
11.9452

■ 16.1922, 18.4752,
11.9452

223.7214,
243.5360, 215.0072

■ 9.7520, 11.2917,
6.5843

■ 36.4863, 40.8454,
30.0582

■ 5.2958, 6.2634,
3.1290

■ 51.0709, 56.8009,
43.6473

■ 2.4584, 3.0059,
1.1609

■ 69.1010, 76.4492,
60.8162

■ 0.8743, 1.1348,
0.0000

■ 90.9419, 100.1746,
81.9835

■ 0.0000, 0.0075,
0.0000

■ 116.9591,
128.3616, 107.5678

■ 0.0000, 0.0000,
0.0000

147.5178,

161.3946, 137.9874

182.9834,
199.6579, 173.6610

■ 16.1922, 18.4752,
11.9452

■ 16.1922, 18.4752,
11.9452

■ 15.5352, 18.1907,
9.4936

■ 16.9378, 18.7968,
14.8433

■ 14.9610, 17.9390,
7.4652

■ 17.7743, 19.1544,
18.2072

■ 14.4657, 17.7192,
5.8362

■ 18.7061, 19.5506,
22.0568

■ 14.0440, 17.5292,
4.5801

■ 19.7366, 19.9865,
26.4103

■ 13.6905, 17.3667,
3.6674

■ 20.8690, 20.4635,
31.2849

■ 13.3985, 17.2293,
3.0639

■ 22.1065, 20.9830,
36.6973

■ 13.1519, 17.1103,
2.6841

■ 23.4522, 21.5461,
42.6630

■ 13.1006, 17.0855,
2.6074

■ 24.9088, 22.1539,
49.1972

■ 26.4792, 22.8075,
56.3144

Harmonies

Analogous

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



18.0277, 18.4752, 11.4420



16.1922, 18.4752, 11.9452



14.8194, 18.4752, 14.4327

Triad

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



16.1922, 18.4752, 11.9452



15.4435, 18.4752, 29.6065



21.4264, 18.4752, 21.4731

Complementary

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



16.1922, 18.4752, 11.9452



11.4170, 10.6604, 19.8693

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.



20.6195, 18.4752, 27.1250



16.1922, 18.4752, 11.9452



17.1007, 18.4752, 32.3388

Square

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



16.1922, 18.4752, 11.9452



14.4094, 18.4752, 24.4146



19.0030, 18.4752, 31.3573



21.1396, 18.4752, 16.3547

Rectangle

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



16.1922, 18.4752, 11.9452



14.3071, 18.4752, 17.1693



19.0030, 18.4752, 31.3573



21.2722, 18.4752, 23.3827

Sweetspot

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



16.1927, 18.4760, 11.9456



31.2185, 33.6752, 31.8257



13.6124, 12.4912, 10.9264



7.0933, 7.6807, 7.0943



59.0181, 62.0916, 67.6177



7.4413, 7.8288, 8.5256

Same Dimension

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



16.1927, 18.4760, 11.9456



27.7826, 32.1983, 18.3664



14.0922, 17.3932, 11.8473



4.2635, 4.6111, 4.2898



13.7876, 17.9850, 2.7448



65.3000, 85.5488, 13.0709

Inverse Universe

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



11.4170, 10.6604, 19.8693



18.0176, 16.2144, 34.5730



13.3058, 11.6341, 19.9577



3.8375, 3.9141, 4.9964



3.8908, 1.5785, 19.4849



18.1694, 7.3287, 92.9267

Previews

White Background



This preview shows how the XYZ color 16.1922, 18.4752, 11.9452 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 16.1922, 18.4752, 11.9452 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 16.1922, 18.4752, 11.9452

Background



This preview shows how black text looks on a background with the XYZ color 16.1922, 18.4752, 11.9452.



This preview shows how white text looks on a background with the XYZ color 16.1922, 18.4752,

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

16.1922, 18.4752, 11.9452

Protanopia

17.2192, 18.4710, 11.6745

Deuteranopia

18.6780, 18.3483, 12.2300



Tritanopia

18.2956, 18.4399, 22.3336

Trichromacy



Original Color

16.1922, 18.4752, 11.9452

Protanomaly

16.7490, 18.4061, 11.6868

Deuteranomaly

17.6802, 18.3494, 12.0611

Tritanomaly

17.4066, 18.4285, 17.9689

Monochromacy



Original Color

16.1922, 18.4752, 11.9452

Achromatopsia

16.9083, 17.7888, 19.3720

Achromatomaly

16.5345, 18.0162, 16.2417

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.1922, 18.4752, 11.9452 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(118, 122, 88)` looks like.

```
.text, #text, p{  
    color:rgb(118, 122, 88)  
}
```

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(118, 122, 88) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 122, 88) }
```

Border

The CSS property to change the border of an element to XYZ 16.1922, 18.4752, 11.9452 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(118, 122, 88) }
```


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

```
.border{ border-color:rgb(118, 122, 88) }
```

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

Here you see how a box with a 4 pixel `rgb(118, 122, 88)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 122, 88); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 122, 88);  
box-shadow:4px 4px 4px 4px rgb(118, 122,  
88) }
```

Background

The CSS property to change the background color of an element to XYZ 16.1922, 18.4752, 11.9452 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 122, 88) }
```

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

```
.background{ background-color: rgb(118,  
122, 88) }
```

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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