

Converting Colors

XYZ(16.4699, 18.7870, 12.6560)

Have a look what the booklet for
XYZ(16.4699, 18.7870, 12.6560)
contains.

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Color

**XYZ(16.4425, 18.7728,
12.6544)**

Conversions

Conversions Part 1

Format	Color
Hex	767B5B
RGB	118, 123, 91
RGB Percent	46%, 48%, 36%
CMY	0.5373, 0.5176, 0.6431
CMYK	0.04, 0.00, 0.26, 0.52
HSL	69°, 15%, 42%
HSV	69°, 26%, 48%
XYZ	16.4425, 18.7728, 12.6544
YIQ	117.8570, 7.2920, -11.0120

Conversions

Conversions Part 2

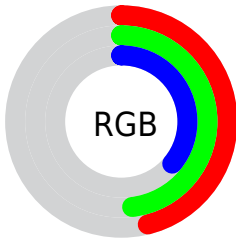
Format	Color
RYB	91, 123, 96
Decimal	7764827
CIELab	50.42, -7.70, 16.92
CIELCh	50, 18.584, 114.461
Yxy	18.7728, 0.3435, 0.3922
Android (android.graphics.Color)	4285954907 (0xFF767B5B)
YUV	117.8570, -13.2405, 0.1254
Hunter-Lab	43.3276, -8.0839, 13.0129

Details

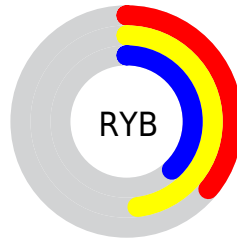
The XYZ color **16.4425, 18.7728, 12.6544** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **12.1408, 11.3995, 20.3004**, and the grayscale version is **17.2141, 18.1105, 19.7224**.

A 20% lighter version of the original color is **36.7153, 41.1291, 31.2029**, and **5.3767, 6.3522, 3.4253** is the 20% darker color. If you saturate the color by 10%, you get **15.6965, 18.4452, 10.0731**, and if you desaturate by 10%, it is **17.2818, 19.1396, 15.6949**.

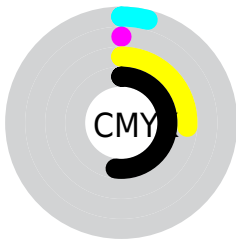
Distribution



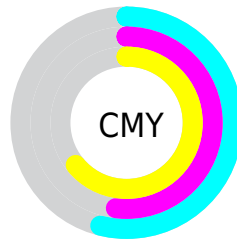
- Red (46%)
- Green (48%)
- Blue (36%)



- Red (36%)
- Yellow (48%)
- Blue (38%)



- Cyan (4%)
- Magenta (0%)
- Yellow (26%)
- Black (52%)



- Cyan (54%)
- Magenta (52%)
- Yellow (64%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.4425, 18.7728, 12.6544 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 16.4425, 18.7728, 12.6544 by changing the saturation by 10% instead.

■ 16.4425, 18.7728,
12.6544

■ 16.4425, 18.7728,
12.6544

225.1583,
245.1916, 219.8202

■ 9.9306, 11.5062,
7.0631

■ 36.9160, 41.3498,
31.3635

■ 5.4149, 6.4084,
3.4225

■ 51.6083, 57.4291,
45.3184

■ 2.5299, 3.0950,
1.3142

■ 69.7582, 77.2147,
62.8982

■ 0.9104, 1.1815,
0.0734

■ 91.7310, 101.0910,
84.5215

■ 0.0000, 0.0465,
0.0000

117.8921,
129.4425, 110.6068

■ 0.0000, 0.0000,
0.0000

148.6067,

162.6535, 141.5727

184.2403,
201.1084, 177.8376

■ 16.4425, 18.7728,
12.6544

■ 16.4425, 18.7728,
12.6544

■ 15.6965, 18.4452,
10.0731

■ 17.2818, 19.1396,
15.6949

■ 15.0381, 18.1526,
7.9276

■ 18.2169, 19.5448,
19.2142

■ 14.4632, 17.8940,
6.1940

■ 19.2520, 19.9905,
23.2321

■ 13.9666, 17.6673,
4.8458

■ 20.3907, 20.4784,
27.7672

■ 13.5427, 17.4703,
3.8534

■ 21.6364, 21.0096,
32.8370

■ 13.1851, 17.3004,
3.1829

■ 22.9921, 21.5855,
38.4579

■ 12.8820, 17.1529,
2.7726

■ 24.4610, 22.2073,
44.6462

■ 12.7661, 17.0963,
2.6271

■ 26.0461, 22.8762,
51.4169

■ 27.7500, 23.5933,
58.7849

Harmonies

Analogous

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



18.1805, 18.7728, 12.0492



16.4425, 18.7728, 12.6544



15.1622, 18.7728, 15.1846

Triad

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



16.4425, 18.7728, 12.6544



15.8985, 18.7728, 29.6544



21.5298, 18.7728, 21.4160

Complementary

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



16.4425, 18.7728, 12.6544



12.1408, 11.3995, 20.3004

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.



20.8224, 18.7728, 26.7874



16.4425, 18.7728, 12.6544



17.5097, 18.7728, 32.0313

Square

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



16.4425, 18.7728, 12.6544



14.8633, 18.7728, 24.8441



19.3208, 18.7728, 30.9024



21.1964, 18.7728, 16.5904

Rectangle

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



16.4425, 18.7728, 12.6544



14.7003, 18.7728, 17.8887



19.3208, 18.7728, 30.9024



21.4044, 18.7728, 23.2238

Sweetspot

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



16.4430, 18.7736, 12.6548



32.2401, 34.8336, 32.9575



14.2220, 13.2961, 11.7146



7.5402, 8.1810, 7.5618



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.



16.4430, 18.7736, 12.6548



28.6560, 33.2711, 19.9069



14.4741, 17.7586, 12.5627



4.2492, 4.6037, 4.2891



13.2021, 17.6831, 2.7174



62.3881, 84.0476, 12.9346

Inverse Universe

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



12.1408, 11.3995, 20.3004



19.6277, 17.7928, 35.9565



13.9735, 12.3443, 20.3861



3.8506, 3.9209, 4.9970



3.9776, 1.6233, 19.4890



18.4965, 7.4973, 92.9420

Previews

White Background



This preview shows how the XYZ color 16.4425, 18.7728, 12.6544 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 16.4425, 18.7728, 12.6544 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

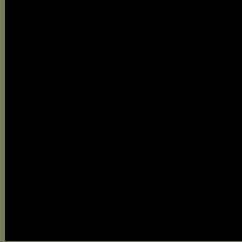
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 16.4425, 18.7728, 12.6544

Background



This preview shows how black text looks on a background with the XYZ color 16.4425, 18.7728, 12.6544.



This preview shows how white text looks on a background with the XYZ color 16.4425, 18.7728,

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

16.4425, 18.7728, 12.6544

Protanopia

17.4640, 18.7603, 12.3735

Deuteranopia

19.0910, 18.7145, 12.9620



Tritanopia

18.5431, 18.7263, 23.0593

Trichromacy



Original Color

16.4425, 18.7728, 12.6544

Protanomaly

16.9950, 18.6980, 12.3862

Deuteranomaly

18.0831, 18.7161, 12.7847

Tritanomaly

17.6961, 18.7357, 18.9033

Monochromacy



Original Color

16.4425, 18.7728, 12.6544

Achromatopsia

17.2197, 18.1164, 19.7288

Achromatomaly

16.8945, 18.3672, 16.8421

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.4425, 18.7728, 12.6544 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, 123, 91)` looks like.

```
.text, #text, p{  
    color:rgb(118, 123, 91)  
}
```

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, 123, 91) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 123, 91) }
```

Border

The CSS property to change the border of an element to XYZ 16.4425, 18.7728, 12.6544 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, 123, 91) }
```


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

```
.border{ border-color:rgb(118, 123, 91) }
```

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

Here you see how a box with a 4 pixel `rgb(118, 123, 91)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 123, 91); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 123, 91);  
box-shadow:4px 4px 4px 4px rgb(118, 123,  
91) }
```

Background

The CSS property to change the background color of an element to XYZ 16.4425, 18.7728, 12.6544 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 123, 91) }
```

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

```
.background{ background-color: rgb(118,  
123, 91) }
```

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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