

Converting Colors

XYZ(13.7486, 18.2521, 16.1630)

Have a look what the booklet for
XYZ(13.7486, 18.2521, 16.1630)
contains.

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Color

**XYZ(13.7486, 18.2521,
16.1630)**

Conversions

Conversions Part 1

Format	Color
Hex	528069
RGB	82, 128, 105
RGB Percent	32%, 50%, 41%
CMY	0.6784, 0.4980, 0.5882
CMYK	0.36, 0.00, 0.18, 0.50
HSL	150°, 22%, 41%
HSV	150°, 36%, 50%
XYZ	13.7486, 18.2521, 16.1630
YIQ	111.6240, -20.0330, -16.9050

Conversions

Conversions Part 2

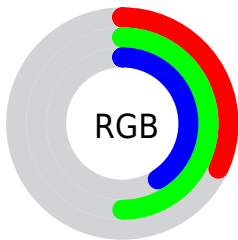
Format	Color
RYB	82, 113, 128
Decimal	5406825
CIELab	49.80, -21.15, 7.55
CIELCh	50, 22.462, 160.354
Yxy	18.2521, 0.2855, 0.3790
Android (android.graphics.Color)	4283596905 (0xFF528069)
YUV	111.6240, -3.2656, -25.9802
Hunter-Lab	42.7225, -17.3209, 7.4748

Details

The XYZ color **13.7486, 18.2521, 16.1630** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **14.4697, 11.6440, 14.8500**, and the grayscale version is **15.3048, 16.1019, 17.5349**.

A 20% lighter version of the original color is **32.1975, 40.4346, 37.5602**, and **4.1478, 6.0943, 4.9607** is the 20% darker color. If you saturate the color by 10%, you get **12.4211, 17.6048, 14.4480**, and if you desaturate by 10%, it is **15.3096, 19.0178, 18.0190**.

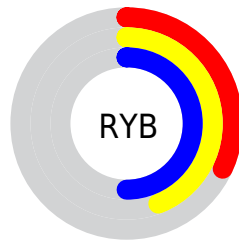
Distribution



Red (32%)

Green (50%)

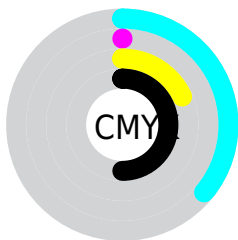
Blue (41%)



Red (32%)

Yellow (44%)

Blue (50%)

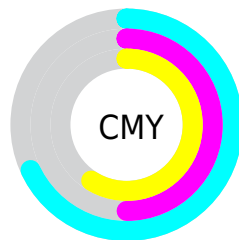


Cyan (36%)

Magenta (0%)

Yellow (18%)

Black (50%)



Cyan (68%)

Magenta (50%)

Yellow (59%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.7486, 18.2521, 16.1630 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 13.7486, 18.2521, 16.1630 by changing the saturation by 10% instead.

■ 13.7486, 18.2521,
16.1630

■ 13.7486, 18.2521,
16.1630

209.2033,
242.2882, 242.1801

■ 8.0266, 11.1311,
9.4840

■ 32.2323, 40.4664,
37.6517

■ 4.1639, 6.1551,
4.9571

■ 45.7246, 56.3286,
53.2984

■ 1.7953, 2.9396,
2.1638

■ 62.5378, 75.8733,
72.7714

■ 0.5148, 1.1003,
0.6534

■ 83.0371, 99.4848,
96.4893

■ 0.0000, 0.0000,
0.0000

■ 107.5880,
127.5477, 124.8706

136.5557,

160.4463, 158.3338

170.3057,
198.5650, 197.2974

■ 13.7486, 18.2521,
16.1630

■ 13.7486, 18.2521,
16.1630

■ 12.4211, 17.6048,
14.4480

■ 15.3096, 19.0178,
18.0190

■ 11.3134, 17.0676,
12.8694

■ 17.1137, 19.9055,
20.0180

■ 10.4128, 16.6344,
11.4239


■ 19.1719, 20.9212,
22.1635


■ 9.7045, 16.2976,
10.1080


■ 21.4941, 22.0699,
24.4587


■ 9.1716, 16.0487,
8.9176


■ 24.0894, 23.3564,
26.9064


 8.7857, 15.8731,
7.8482

 26.9669, 24.7852,
29.5095

 8.6449, 15.8092,
7.4464

 30.1348, 26.3604,
32.2708

 33.6012, 28.0864,
35.1930

 37.3740, 29.9669,
38.2787

Harmonies

Analogous

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



14.8137, 18.2521, 12.1668



13.7486, 18.2521, 16.1630



13.6011, 18.2521, 22.0714

Triad

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



13.7486, 18.2521, 16.1630



18.0995, 18.2521, 33.8941



20.6825, 18.2521, 13.1681

Complementary

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



13.7486, 18.2521, 16.1630



14.4697, 11.6440, 14.8500

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.



21.7268, 18.2521, 17.8265



13.7486, 18.2521, 16.1630



20.1561, 18.2521, 30.2946

Square

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



13.7486, 18.2521, 16.1630



15.9989, 18.2521, 33.1925



21.5266, 18.2521, 24.1122



18.7711, 18.2521, 10.7004

Rectangle

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



13.7486, 18.2521, 16.1630



14.0289, 18.2521, 26.4554



21.5266, 18.2521, 24.1122



21.1534, 18.2521, 14.4852

Sweetspot

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



13.7491, 18.2529, 16.1634



31.7710, 35.8544, 36.9806



15.1589, 19.0982, 10.8701



7.3453, 8.3485, 8.5605



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.



13.7491, 18.2529, 16.1634



22.2929, 31.2014, 26.0064



15.0454, 18.7714, 22.9897



4.3587, 4.8518, 5.0601



8.5724, 15.6755, 7.3870



0.0000, 0.0000, 0.0000

Inverse Universe

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



14.4697, 11.6440, 14.8500



23.7558, 17.7854, 23.3402



13.4722, 11.2450, 9.5970



4.4104, 4.3773, 4.9658



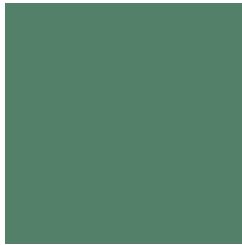
9.7454, 4.9179, 5.2490



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 13.7486, 18.2521, 16.1630 looks on a white 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

Black Background



This preview shows how the XYZ color 13.7486, 18.2521, 16.1630 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

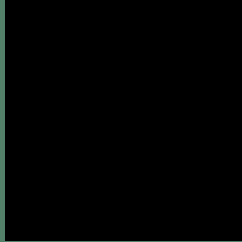
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 13.7486, 18.2521, 16.1630

Background



This preview shows how black text looks on a background with the XYZ color 13.7486, 18.2521, 16.1630.

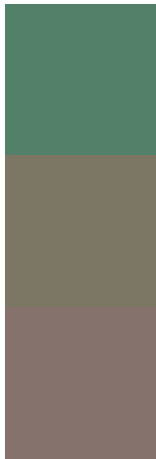


This preview shows how white text looks on a background with the XYZ color 13.7486, 18.2521,

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

13.7486, 18.2521, 16.1630

Protanopia

17.0909, 18.1621, 14.6614

Deuteranopia

18.3970, 18.1039, 16.7121



Tritanopia

15.5352, 18.2112, 25.2506

Trichromacy



Original Color

13.7486, 18.2521, 16.1630

Protanomaly

15.6645, 18.1296, 15.2441

Deuteranomaly

16.1901, 17.8326, 16.4986

Tritanomaly

14.7465, 18.0757, 21.4506

Monochromacy



Original Color

13.7486, 18.2521, 16.1630

Achromatopsia

15.4009, 16.2029, 17.6450

Achromatomaly

14.6056, 16.8277, 16.9463

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.7486, 18.2521, 16.1630 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(82, 128, 105)` looks like.

```
.text, #text, p{  
    color:rgb(82, 128, 105)  
}
```

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(82, 128, 105) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(82, 128, 105) }
```

Border

The CSS property to change the border of an element to XYZ 13.7486, 18.2521, 16.1630 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(82, 128, 105) }
```


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

```
.border{ border-color:rgb(82, 128, 105) }
```

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

Here you see how a box with a 4 pixel `rgb(82, 128, 105)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(82, 128, 105); -webkit-box-  
shadow:4px 4px 4px 4px rgb(82, 128, 105);  
box-shadow:4px 4px 4px 4px rgb(82, 128,  
105) }
```

Background

The CSS property to change the background color of an element to XYZ 13.7486, 18.2521, 16.1630 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(82, 128, 105) }
```

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

```
.background{ background-color: rgb(82, 128,  
105) }
```

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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