

Converting Colors

XYZ(13.8655, 16.3878, 8.7191)

Have a look what the booklet for
XYZ(13.8655, 16.3878, 8.7191)
contains.

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Color

**XYZ(13.8706, 16.4548,
8.7484)**

Conversions

Conversions Part 1

Format	Color
Hex	6D7549
RGB	109, 117, 73
RGB Percent	43%, 46%, 29%
CMY	0.5725, 0.5412, 0.7137
CMYK	0.07, 0.00, 0.38, 0.54
HSL	71°, 23%, 37%
HSV	71°, 38%, 46%
XYZ	13.8706, 16.4548, 8.7484
YIQ	109.5920, 9.3560, -15.3800

Conversions

Conversions Part 2

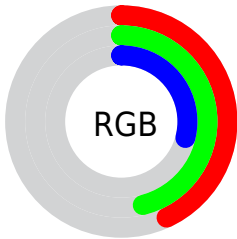
Format	Color
R_{YB}	73, 117, 81
Decimal	7173449
CIE Lab	47.57, -10.75, 23.29
CIE LCh	48, 25.654, 114.768
Yxy	16.4548, 0.3550, 0.4211
Android (android.graphics.Color)	4285363529 (0xFF6D7549)
YUV	109.5920, -18.0399, -0.5192
Hunter-Lab	40.5645, -9.9517, 15.6083

Details

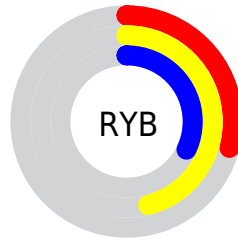
The XYZ color **13.8706, 16.4548, 8.7484** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **8.9873, 7.7992, 17.8622**, and the grayscale version is **14.7526, 15.5209, 16.9023**.

A 20% lighter version of the original color is **32.3988, 37.3581, 23.9156**, and **4.2012, 5.3007, 1.9003** is the 20% darker color. If you saturate the color by 10%, you get **13.2602, 16.1813, 6.8820**, and if you desaturate by 10%, it is **14.5612, 16.7622, 11.0003**.

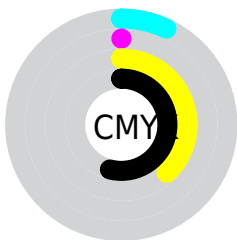
Distribution



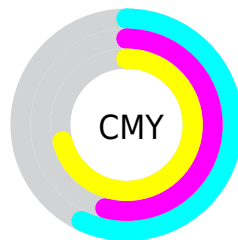
- Red (43%)
- Green (46%)
- Blue (29%)



- Red (29%)
- Yellow (46%)
- Blue (32%)



- Cyan (7%)
- Magenta (0%)
- Yellow (38%)
- Black (54%)



- Cyan (57%)
- Magenta (54%)
- Yellow (71%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.8706, 16.4548, 8.7484 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 13.8706, 16.4548, 8.7484 by changing the saturation by 10% instead.

■ 13.8706, 16.4548,
8.7484

■ 13.8706, 16.4548,
8.7484

209.9511,
232.0106, 191.6382

■ 8.1118, 9.8466,
4.4829

■ 32.4474, 37.3860,
23.9830

■ 4.2190, 5.2973,
1.8938

■ 45.9962, 52.4777,
35.7892

■ 1.8268, 2.4228,
0.4888

■ 62.8723, 71.1660,
50.9460

■ 0.5337, 0.8376,
0.0000

■ 83.4412, 93.8354,
69.8719

■ 0.0000, 0.0000,
0.0000

■ 108.0682,
120.8701, 92.9856

137.1186,

152.6546, 120.7055

170.9578,
189.5733, 153.4502

■ 13.8706, 16.4548,
8.7484

■ 13.8706, 16.4548,
8.7484

■ 13.2602, 16.1813,
6.8820

■ 14.5612, 16.7622,
11.0003

■ 12.7245, 15.9379,
5.3783

■ 15.3346, 17.1029,
13.6566

■ 12.2596, 15.7235,
4.2141

■ 16.1947, 17.4791,
16.7362

■ 11.8601, 15.5360,
3.3627

■ 17.1449, 17.8920,
20.2564

■ 11.5204, 15.3731,
2.7936

■ 18.1884, 18.3430,
24.2338

■ 11.2254, 15.2288,
2.4282

■ 19.3281, 18.8332,
28.6838

■ 11.1565, 15.1951,
2.3449

■ 20.5670, 19.3638,
33.6215

■ 21.9077, 19.9360,
39.0608

■ 23.3529, 20.5507,
45.0156

Harmonies

Analogous

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



16.0439, 16.4548, 8.0810



13.8706, 16.4548, 8.7484



12.3189, 16.4548, 11.5943

Triad

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



13.8706, 16.4548, 8.7484



13.2399, 16.4548, 30.2835



20.4352, 16.4548, 19.0885

Complementary

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



13.8706, 16.4548, 8.7484



8.9873, 7.7992, 17.8622

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.



19.5096, 16.4548, 26.1990



13.8706, 16.4548, 8.7484



15.2426, 16.4548, 33.5931

Square

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



13.8706, 16.4548, 8.7484



11.9803, 16.4548, 23.7211



17.5534, 16.4548, 31.9409



19.9775, 16.4548, 13.1456

Rectangle

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



13.8706, 16.4548, 8.7484



11.7724, 16.4548, 14.8100



17.5534, 16.4548, 31.9409



20.2730, 16.4548, 21.4296

Sweetspot

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



13.8710, 16.4555, 8.7487



28.4138, 31.0431, 27.8503



11.4324, 10.0497, 7.6408



6.4964, 7.1214, 6.2726



57.3938, 60.3827, 65.7568



6.9614, 7.3239, 7.9757

Same Dimension

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



13.8710, 16.4555, 8.7487



23.8934, 29.0420, 12.7647



11.5575, 15.2629, 8.6405



3.9045, 4.2342, 3.9538



12.2798, 16.7348, 2.5829



59.1806, 81.2105, 12.5560

Inverse Universe

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



8.9873, 7.7992, 17.8622



13.8266, 11.1872, 31.5676



11.1113, 8.8941, 17.9616



3.5571, 3.6190, 4.6013



3.8743, 1.5886, 18.6450



18.3416, 7.4639, 90.8343

Previews

White Background



This preview shows how the XYZ color 13.8706, 16.4548, 8.7484 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 13.8706, 16.4548, 8.7484 looks on a black 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

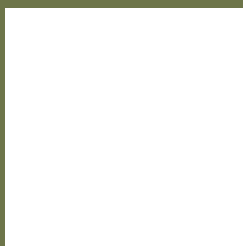
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 13.8706, 16.4548, 8.7484

Background



This preview shows how black text looks on a background with the XYZ color 13.8706, 16.4548, 8.7484.



This preview shows how white text looks on a background with the XYZ color 13.8706, 16.4548,

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

13.8706, 16.4548, 8.7484

Protanopia

15.2108, 16.4761, 8.3398

Deuteranopia

16.6242, 16.3840, 8.9429



Tritanopia

16.1448, 16.3698, 20.0781

Trichromacy



Original Color

13.8706, 16.4548, 8.7484

Protanomaly

14.6582, 16.3541, 8.5150

Deuteranomaly

15.5247, 16.2989, 8.8063

Tritanomaly

15.1634, 16.3002, 15.1790

Monochromacy



Original Color

13.8706, 16.4548, 8.7484

Achromatopsia

14.8208, 15.5926, 16.9804

Achromatomaly

14.4932, 15.9883, 13.6314

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.8706, 16.4548, 8.7484 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(109, 117, 73)` looks like.

```
.text, #text, p{  
    color:rgb(109, 117, 73)  
}
```

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(109, 117, 73) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 117, 73) }
```

Border

The CSS property to change the border of an element to XYZ 13.8706, 16.4548, 8.7484 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(109, 117, 73) }
```


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

```
.border{ border-color:rgb(109, 117, 73) }
```

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

Here you see how a box with a 4 pixel `rgb(109, 117, 73)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(109, 117, 73); -webkit-box-  
shadow:4px 4px 4px 4px rgb(109, 117, 73);  
box-shadow:4px 4px 4px 4px rgb(109, 117,  
73) }
```

Background

The CSS property to change the background color of an element to XYZ 13.8706, 16.4548, 8.7484 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 117, 73) }
```

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

```
.background{ background-color: rgb(109,  
117, 73) }
```

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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