

Converting Colors

XYZ(18.5867, 18.6740, 13.5608)

Have a look what the booklet for
XYZ(18.5867, 18.6740, 13.5608)
contains.

XYZ(18.4643, 18.5512, 13.4340)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(18.4643, 18.5512,
13.4340)**

Conversions

Conversions Part 1

Format	Color
Hex	88745F
RGB	136, 116, 95
RGB Percent	53%, 45%, 37%
CMY	0.4667, 0.5451, 0.6274
CMYK	0.00, 0.15, 0.30, 0.47
HSL	31°, 18%, 45%
HSV	31°, 30%, 53%
XYZ	18.4643, 18.5512, 13.4340
YIQ	119.5860, 18.6610, -2.2910

Conversions

Conversions Part 2

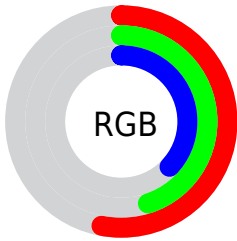
Format	Color
R_{YB}	134, 136, 95
Decimal	8942687
CIE Lab	50.16, 4.42, 14.50
CIE LCh	50, 15.157, 73.060
Yxy	18.5512, 0.3660, 0.3677
Android (android.graphics.Color)	4287132767 (0xFF88745F)
YUV	119.5860, -12.1209, 14.3951
Hunter-Lab	43.0711, 1.1473, 11.6571

Details

The XYZ color **18.4643, 18.5512, 13.4340** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **15.2939, 16.4716, 25.6660**, and the grayscale version is **17.7541, 18.6787, 20.3411**.

A 20% lighter version of the original color is **40.4261, 41.0277, 32.9826**, and **6.3678, 6.2873, 3.7837** is the 20% darker color. If you saturate the color by 10%, you get **17.1619, 16.8508, 10.2116**, and if you desaturate by 10%, it is **19.9302, 20.4057, 17.2439**.

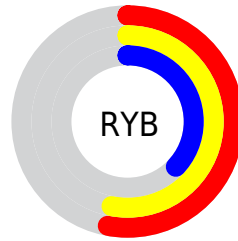
Distribution



Red (53%)

Green (45%)

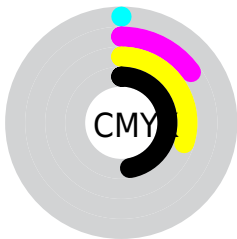
Blue (37%)



Red (53%)

Yellow (53%)

Blue (37%)

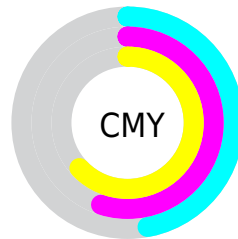


Cyan (0%)

Magenta (15%)

Yellow (30%)

Black (47%)



Cyan (47%)

Magenta (55%)

Yellow (63%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.4643, 18.5512, 13.4340 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 18.4643, 18.5512, 13.4340 by changing the saturation by 10% instead.

■ 18.4643, 18.5512,
13.4340

■ 18.4643, 18.5512,
13.4340

236.4705,
243.9598, 224.9853

■ 11.3855, 11.3464,
7.5938

■ 40.3508, 40.9743,
32.7839

■ 6.3960, 6.3004,
3.7522

■ 55.8893, 56.9615,
47.1306

■ 3.1303, 3.0286,
1.4904

■ 74.9784, 76.6449,
65.1500

■ 1.2230, 1.1467,
0.2107

■ 97.9834, 100.4090,
87.2606

■ 0.1244, 0.0175,
0.0000

125.2698,
128.6382, 113.8809

■ 0.0000, 0.0000,
0.0000

157.2029,

161.7167, 145.4294

194.1480,
200.0292, 182.3247

■ 18.4643, 18.5512,
13.4340

■ 18.4643, 18.5512,
13.4340

■ 17.1619, 16.8508,
10.2116

■ 19.9302, 20.4057,
17.2439

■ 16.0148, 15.2974,
7.5456

■ 21.5646, 22.4161,
21.6679

■ 15.0163, 13.8871,
5.4038

■ 23.3737, 24.5873,
26.7324

■ 14.1583, 12.6148,
3.7502

■ 25.3633, 26.9231,
32.4618

■ 13.4320, 11.4750,
2.5439

■ 27.5387, 29.4273,
38.8794

■ 12.8272, 10.4613,
1.7376

■ 29.9050, 32.1036,
46.0073

■ 12.3228, 9.5731,
1.1983

■ 32.4670, 34.9555,
53.8665

■ 35.2296, 37.9863,
62.4771

■ 38.1972, 41.1993,
71.8587

Harmonies

Analogous

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



19.7674, 18.5512, 15.1851



18.4643, 18.5512, 13.4340



17.0046, 18.5512, 13.3268

Triad

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



18.4643, 18.5512, 13.4340



15.0329, 18.5512, 22.0739



19.6225, 18.5512, 26.6719

Complementary

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



18.4643, 18.5512, 13.4340



15.2939, 16.4716, 25.6660

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.



18.2754, 18.5512, 29.1020



18.4643, 18.5512, 13.4340



15.6569, 18.5512, 26.2107

Square

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



18.4643, 18.5512, 13.4340



15.0772, 18.5512, 17.9427



16.8258, 18.5512, 28.9225



20.4610, 18.5512, 22.6372

Rectangle

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



18.4643, 18.5512, 13.4340



16.1426, 18.5512, 14.1743



16.8258, 18.5512, 28.9225



19.2110, 18.5512, 27.7270

Sweetspot

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



18.4648, 18.5521, 13.4344



38.2928, 39.8553, 38.9848



17.3691, 14.6682, 18.2869



8.7772, 9.1196, 8.7776



65.7814, 69.2071, 75.3665



9.5508, 10.0482, 10.9424

Same Dimension

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



18.4648, 18.5521, 13.4344



30.9857, 30.6755, 19.7952



21.0232, 23.6690, 14.2872



5.2308, 5.4445, 5.3276



11.6724, 9.0793, 1.1373



0.0922, 0.0896, 0.0124

Inverse Universe

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



15.2939, 16.4716, 25.6660



24.4893, 26.4135, 44.8560



13.2557, 12.3951, 24.9866



4.9628, 5.2686, 6.3612



6.0777, 5.4257, 22.7726



0.0549, 0.0652, 0.1561

Previews

White Background



This preview shows how the XYZ color 18.4643, 18.5512, 13.4340 looks on a white background.

Color Contrast Check

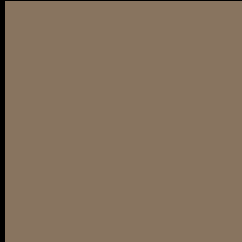
Large Text (above 18pt) WCAG AA ✓ Pass

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 18.4643, 18.5512, 13.4340 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

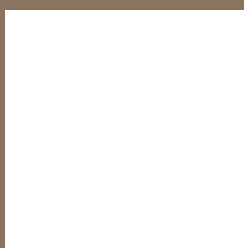
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 18.4643, 18.5512, 13.4340

Background



This preview shows how black text looks on a background with the XYZ color 18.4643, 18.5512, 13.4340.



This preview shows how white text looks on a background with the XYZ color 18.4643, 18.5512,

13.4340.

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

18.4643, 18.5512, 13.4340

Protanopia

17.5069, 18.5687, 13.9707

Deuteranopia

18.8438, 18.5767, 13.4190



Tritanopia

19.8928, 18.4578, 20.6034

Trichromacy



Original Color

18.4643, 18.5512, 13.4340

Protanomaly

17.7957, 18.5472, 13.7084

Deuteranomaly

18.6775, 18.4910, 13.4112

Tritanomaly

19.3110, 18.3834, 17.8598

Monochromacy



Original Color

18.4643, 18.5512, 13.4340

Achromatopsia

17.8524, 18.7821, 20.4537

Achromatomaly

18.0703, 18.7770, 17.7108

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.4643, 18.5512, 13.4340 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(136, 116, 95)` looks like.

```
.text, #text, p{  
    color:rgb(136, 116, 95)  
}
```

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(136, 116, 95) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 116, 95) }
```

Border

The CSS property to change the border of an element to XYZ 18.4643, 18.5512, 13.4340 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(136, 116, 95) }
```


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

```
.border{ border-color:rgb(136, 116, 95) }
```

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

Here you see how a box with a 4 pixel `rgb(136, 116, 95)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(136, 116, 95); -webkit-box-  
shadow:4px 4px 4px 4px rgb(136, 116, 95);  
box-shadow:4px 4px 4px 4px rgb(136, 116,  
95) }
```

Background

The CSS property to change the background color of an element to XYZ 18.4643, 18.5512, 13.4340 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 116, 95) }
```

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

```
.background{ background-color: rgb(136,  
116, 95) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor