

Converting Colors

XYZ(13.4402, 19.7381, 14.9058)

Have a look what the booklet for
XYZ(13.4402, 19.7381, 14.9058)
contains.

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Color

**XYZ(13.4402, 19.7381,
14.9058)**

Conversions

Conversions Part 1	
Format	Color
Hex	448863
RGB	68, 136, 99
RGB Percent	27%, 53%, 39%
CMY	0.7333, 0.4667, 0.6118
CMYK	0.50, 0.00, 0.27, 0.47
HSL	147°, 33%, 40%
HSV	147°, 50%, 53%
XYZ	13.4402, 19.7381, 14.9058
YIQ	111.4500, -28.6510, -25.9230

Conversions

Conversions Part 2

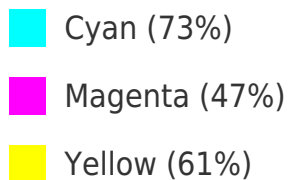
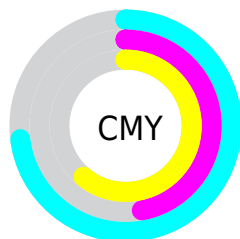
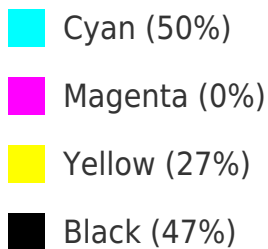
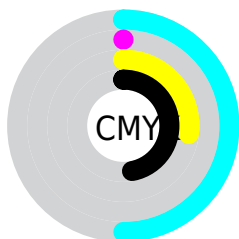
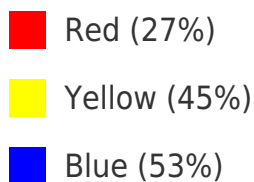
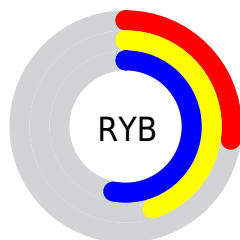
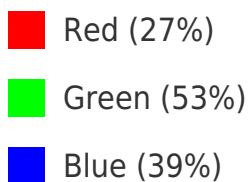
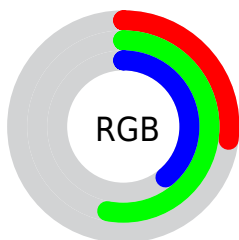
Format	Color
RYB	68, 115, 136
Decimal	4491363
CIELab	51.54, -30.63, 13.37
CIELCh	52, 33.420, 156.417
Yxy	19.7381, 0.2795, 0.4105
Android (android.graphics.Color)	4282681443 (0xFF448863)
YUV	111.4500, -6.1378, -38.1056
Hunter-Lab	44.4276, -23.7486, 11.2070

Details

The XYZ color **13.4402, 19.7381, 14.9058** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **14.7710, 10.3889, 14.5922**, and the grayscale version is **15.2640, 16.0590, 17.4882**.

A 20% lighter version of the original color is **31.8036, 43.0939, 35.4959**, and **3.9810, 6.8030, 4.3521** is the 20% darker color. If you saturate the color by 10%, you get **12.2618, 19.1702, 13.0879**, and if you desaturate by 10%, it is **14.8721, 20.4341, 16.9057**.


Distribution




Brightness & Saturation Gradients


These gradients show how the XYZ color 13.4402, 19.7381, 14.9058 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 13.4402, 19.7381, 14.9058 by changing the saturation by 10% instead.


 13.4402, 19.7381,
14.9058


 13.4402, 19.7381,
14.9058


207.3010,
250.4938, 234.4164


 7.8114, 12.2048,
8.6074


 31.6870, 42.9777,
35.4278


 4.0253, 6.8833,
4.3927


 45.0358, 59.4527,
50.4885


 1.7165, 3.3892,
1.8432


 61.6886, 79.6771,
69.3070

 0.4665, 1.3382,
0.4562

 82.0109, 104.0353,
92.3020

 0.0000, 0.1705,
0.0000


 106.3679,
132.9117, 119.8919


 0.0000, 0.0000,
0.0000


135.1250,


166.6906, 152.4952


168.6476,
205.7565, 190.5305


 13.4402, 19.7381,
14.9058


 13.4402, 19.7381,
14.9058

 12.2618, 19.1702,
13.0879


 14.8721, 20.4341,
16.9057


 11.3192, 18.7196,
11.4454


 16.5709, 21.2632,
19.0913


 10.5943, 18.3778,
9.9731


 18.5505, 22.2332,
21.4679


 10.0661, 18.1339,
8.6651


 20.8238, 23.3505,
24.0402


 9.6740, 17.9568,
7.5135

 23.4025, 24.6212,
26.8125

 9.6740, 17.9568,
7.5134

 26.2979, 26.0509,
29.7893

 29.5205, 27.6451,
32.9747

 33.0805, 29.4088,
36.3728

 36.9875, 31.3470,
39.9875

Harmonies

Analogous

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



15.1803, 19.7381, 9.7751



13.4402, 19.7381, 14.9058



13.0445, 19.7381, 23.6264

Triad

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



13.4402, 19.7381, 14.9058



19.4918, 19.7381, 45.6223



24.4549, 19.7381, 12.2718

Complementary

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



13.4402, 19.7381, 14.9058



14.7710, 10.3889, 14.5922

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.



25.9414, 19.7381, 19.4891



13.4402, 19.7381, 14.9058



22.8634, 19.7381, 40.0858

Square

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



13.4402, 19.7381, 14.9058



16.2924, 19.7381, 43.3016



25.3267, 19.7381, 29.7772



21.4660, 19.7381, 8.6024

Rectangle

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



13.4402, 19.7381, 14.9058



13.5486, 19.7381, 30.8196



25.3267, 19.7381, 29.7772



25.1622, 19.7381, 14.2655

Sweetspot

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



13.4407, 19.7389, 14.9062



34.4970, 40.0672, 39.9067



15.7210, 21.0541, 8.7044



7.8217, 9.1969, 9.0512



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.



13.4407, 19.7389, 14.9062



21.3690, 33.6674, 22.6698



15.3948, 20.5205, 25.1960



5.0605, 5.6437, 5.8394



9.1604, 16.9967, 7.1352



0.0681, 0.1158, 0.0855

Inverse Universe

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



14.7710, 10.3889, 14.5922



23.9919, 15.2062, 22.0320



13.3713, 9.8290, 7.2216



5.1392, 5.0911, 5.8216



10.7845, 5.4239, 6.6355



0.0790, 0.0390, 0.0830

Previews

White Background



This preview shows how the XYZ color 13.4402, 19.7381, 14.9058 looks on a white background.

Color Contrast Check

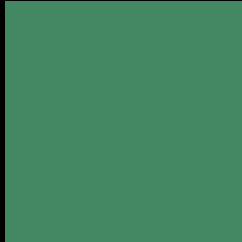
Large Text (above 18pt) WCAG AA ✓ Pass

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 13.4402, 19.7381, 14.9058 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 13.4402, 19.7381, 14.9058

Background



This preview shows how black text looks on a background with the XYZ color 13.4402, 19.7381, 14.9058.



This preview shows how white text looks on a background with the XYZ color 13.4402, 19.7381,

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

13.4402, 19.7381, 14.9058

Protanopia

18.2954, 19.5347, 13.1622

Deuteranopia

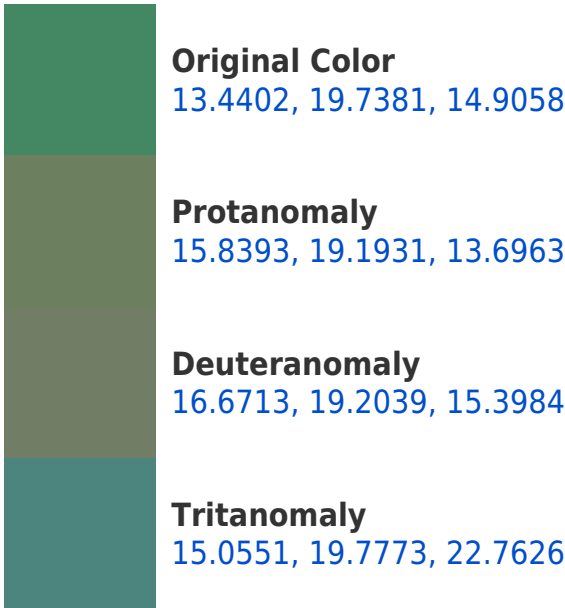
19.9111, 19.5989, 15.5655



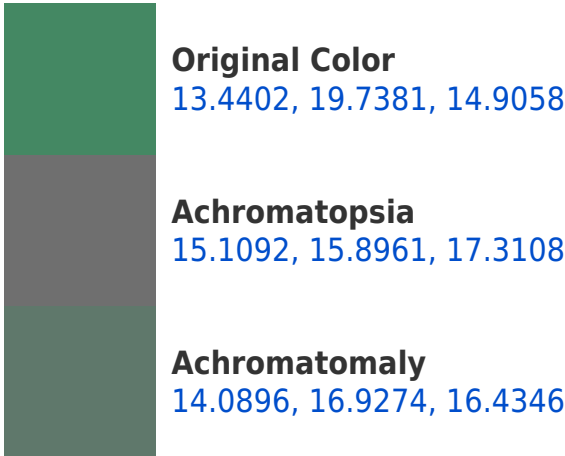
Tritanopia

16.1485, 19.8180, 28.1734

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.4402, 19.7381, 14.9058 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(68, 136, 99)` looks like.

```
.text, #text, p{  
    color:rgb(68, 136, 99)  
}
```

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(68, 136, 99) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(68, 136, 99) }
```

Border

The CSS property to change the border of an element to XYZ 13.4402, 19.7381, 14.9058 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(68, 136, 99) }
```


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

```
.border{ border-color:rgb(68, 136, 99) }
```

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

Here you see how a box with a 4 pixel `rgb(68, 136, 99)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(68, 136, 99); -webkit-box-  
shadow:4px 4px 4px 4px rgb(68, 136, 99);  
box-shadow:4px 4px 4px 4px rgb(68, 136,  
99) }
```

Background

The CSS property to change the background color of an element to XYZ 13.4402, 19.7381, 14.9058 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(68, 136, 99) }
```

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

```
.background{ background-color: rgb(68, 136,  
99) }
```

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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