

Converting Colors

XYZ(13.4463, 16.4419, 19.0918)

Have a look what the booklet for
XYZ(13.4463, 16.4419, 19.0918)
contains.

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Color

**XYZ(13.4054, 16.3394,
18.9703)**

Conversions

Conversions Part 1

Format	Color
Hex	547774
RGB	84, 119, 116
RGB Percent	33%, 47%, 45%
CMY	0.6706, 0.5333, 0.5451
CMYK	0.29, 0.00, 0.03, 0.53
HSL	175°, 17%, 40%
HSV	175°, 29%, 47%
XYZ	13.4054, 16.3394, 18.9703
YIQ	108.1930, -19.8970, -8.3530

Conversions

Conversions Part 2

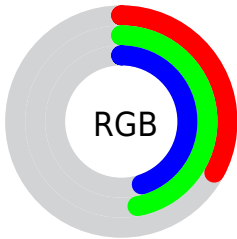
Format	Color
R_{YB}	84, 102, 119
Decimal	5535604
CIE _{Lab}	47.42, -13.08, -2.36
CIE _{LCh}	47, 13.294, 190.246
Yxy	16.3394, 0.2752, 0.3354
Android (android.graphics.Color)	4283725684 (0xFF547774)
YUV	108.1930, 3.8489, -21.2173
Hunter-Lab	40.4220, -11.5415, 0.4703

Details

The XYZ color **13.4054, 16.3394, 18.9703** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **12.4990, 10.9512, 10.4726**, and the grayscale version is **14.3020, 15.0468, 16.3859**.

A 20% lighter version of the original color is **31.6225, 37.1039, 42.5409**, and **3.9965, 5.1910, 6.2602** is the 20% darker color. If you saturate the color by 10%, you get **12.3706, 15.8132, 18.6140**, and if you desaturate by 10%, it is **14.6228, 16.9605, 19.3392**.

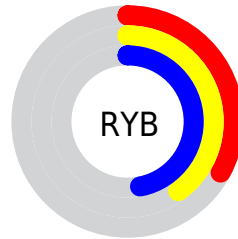
Distribution



Red (33%)

Green (47%)

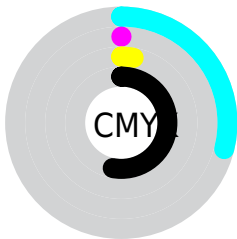
Blue (45%)



Red (33%)

Yellow (40%)

Blue (47%)

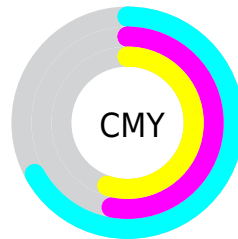


Cyan (29%)

Magenta (0%)

Yellow (3%)

Black (53%)



Cyan (67%)

Magenta (53%)

Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.4054, 16.3394, 18.9703 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 13.4054, 16.3394, 18.9703 by changing the saturation by 10% instead.

■ 13.4054, 16.3394,
18.9703

■ 13.4054, 16.3394,
18.9703

207.0852,
231.3362, 258.7020

■ 7.7872, 9.7646,
11.4722

■ 31.6254, 37.1864,
42.5199

■ 4.0097, 5.2432,
6.2673

■ 44.9578, 52.2275,
59.4086

■ 1.7077, 2.3906,
2.9369

■ 61.5925, 70.8594,
80.2645

■ 0.4611, 0.8211,
1.0625

■ 81.8946, 93.4666,
105.5062

■ 0.0000, 0.0000,
0.0000

■ 106.2296,
120.4335, 135.5523

134.9628,

152.1445, 170.8213

168.4596,
188.9839, 211.7316

■ 13.4054, 16.3394,
18.9703

■ 13.4054, 16.3394,
18.9703

■ 12.3706, 15.8132,
18.6140

■ 14.6228, 16.9605,
19.3392

■ 11.5078, 15.3751,
18.2689

■ 16.0299, 17.6789,
19.7201

■ 10.8075, 15.0208,
17.9347

■ 17.6352, 18.4994,
20.1136

■ 10.2589, 14.7446,
17.6110

■ 19.4460, 19.4258,
20.5203

■ 9.8495, 14.5400,
17.2971

■ 21.4696, 20.4618,
20.9403

■ 9.5651, 14.3999,
16.9925

■ 23.7127, 21.6109,
21.3740

■ 9.3585, 14.2998,
16.6948

■ 26.1818, 22.8764,
21.8218

■ 9.3465, 14.2939,
16.6774

■ 28.8831, 24.2616,
22.2840

■ 31.8226, 25.7694,
22.7608

Harmonies

Analogous

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



13.4937, 16.3394, 15.6865



13.4054, 16.3394, 18.9703



13.8641, 16.3394, 22.3213

Triad

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



13.4054, 16.3394, 18.9703



17.0405, 16.3394, 23.2178



16.3086, 16.3394, 12.3557

Complementary

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



13.4054, 16.3394, 18.9703



12.4990, 10.9512, 10.4726

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.



17.3246, 16.3394, 13.9190



13.4054, 16.3394, 18.9703



17.7617, 16.3394, 20.0754

Square

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



13.4054, 16.3394, 18.9703



15.9367, 16.3394, 24.9711



17.8682, 16.3394, 16.6613



15.1305, 16.3394, 12.1386

Rectangle

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



13.4054, 16.3394, 18.9703



14.4326, 16.3394, 24.0402



17.8682, 16.3394, 16.6613



16.6819, 16.3394, 12.7308

Sweetspot

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



13.4059, 16.3401, 18.9707



28.7533, 31.6820, 35.3245



12.1749, 15.8848, 10.8123



6.7371, 7.4689, 8.3516



59.0181, 62.0916, 67.6177



7.4413, 7.8288, 8.5256

Same Dimension

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



13.4059, 16.3401, 18.9707



22.7683, 28.6296, 33.5538



12.0380, 13.3205, 19.3901



3.7704, 4.1501, 4.6250



9.9281, 15.1852, 17.7091



48.2237, 73.9367, 85.4719

Inverse Universe

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



12.4990, 10.9512, 10.4726



20.8774, 17.3873, 15.8304



13.5762, 13.2980, 10.2392



3.6955, 3.7055, 3.9234



8.1403, 4.1898, 0.6812



39.5279, 20.3613, 2.5772

Previews

White Background



This preview shows how the XYZ color 13.4054, 16.3394, 18.9703 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 13.4054, 16.3394, 18.9703 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 13.4054, 16.3394, 18.9703

Background



This preview shows how black text looks on a background with the XYZ color 13.4054, 16.3394, 18.9703.



This preview shows how white text looks on a background with the XYZ color 13.4054, 16.3394,

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

13.4054, 16.3394, 18.9703

Protanopia

15.6582, 16.3356, 17.6570

Deuteranopia

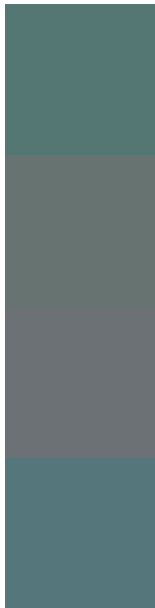
16.4844, 16.2384, 19.4050



Tritanopia

14.0298, 16.2333, 22.4726

Trichromacy



Original Color

13.4054, 16.3394, 18.9703

Protanomaly

14.7049, 16.3373, 18.0012

Deuteranomaly

15.1794, 16.2204, 19.1604

Tritanomaly

13.7999, 16.3182, 21.1613

Monochromacy



Original Color

13.4054, 16.3394, 18.9703

Achromatopsia

14.2537, 14.9960, 16.3306

Achromatomaly

13.8090, 15.3887, 17.2814

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.4054, 16.3394, 18.9703 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(84, 119, 116) looks like.

```
.text, #text, p{  
    color:rgb(84, 119, 116)  
}
```

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(84, 119, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(84, 119, 116) }
```

Border

The CSS property to change the border of an element to XYZ 13.4054, 16.3394, 18.9703 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(84, 119, 116) }
```


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

```
.border{ border-color:rgb(84, 119, 116) }
```

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

Here you see how a box with a 4 pixel `rgb(84, 119, 116)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(84, 119, 116); -webkit-box-  
shadow:4px 4px 4px 4px rgb(84, 119, 116);  
box-shadow:4px 4px 4px 4px rgb(84, 119,  
116) }
```

Background

The CSS property to change the background color of an element to XYZ 13.4054, 16.3394, 18.9703 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(84, 119, 116) }
```

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

```
.background{ background-color: rgb(84, 119,  
116) }
```

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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