

Converting Colors

XYZ(13.0714, 16.8739, 19.1773)

Have a look what the booklet for
XYZ(13.0714, 16.8739, 19.1773)
contains.

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Color

**XYZ(13.0594, 16.8827,
19.0934)**

Conversions

Conversions Part 1

Format	Color
Hex	4A7B74
RGB	74, 123, 116
RGB Percent	29%, 48%, 45%
CMY	0.7098, 0.5176, 0.5451
CMYK	0.40, 0.00, 0.06, 0.52
HSL	171°, 25%, 39%
HSV	171°, 40%, 48%
XYZ	13.0594, 16.8827, 19.0934
YIQ	107.5510, -26.9570, -12.5650

Conversions

Conversions Part 2

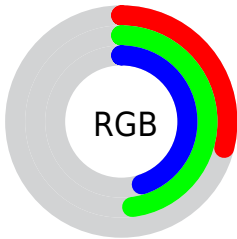
Format	Color
R_{YB}	74, 100, 123
Decimal	4881268
CIE _{Lab}	48.11, -18.34, -1.41
CIE _{LCh}	48, 18.391, 184.388
Yxy	16.8827, 0.2663, 0.3443
Android (android.graphics.Color)	4283071348 (0xFF4A7B74)
YUV	107.5510, 4.1654, -29.4242
Hunter-Lab	41.0886, -15.1714, 1.2106

Details

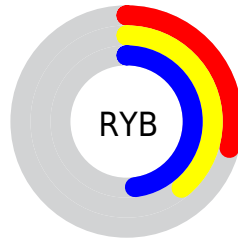
The XYZ color **13.0594, 16.8827, 19.0934** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **12.1030, 9.7031, 9.0202**, and the grayscale version is **14.1229, 14.8583, 16.1807**.

A 20% lighter version of the original color is **31.0507, 38.2378, 42.7899**, and **3.8689, 5.5091, 6.3283** is the 20% darker color. If you saturate the color by 10%, you get **12.1023, 16.4014, 18.5203**, and if you desaturate by 10%, it is **14.2046, 17.4616, 19.6861**.

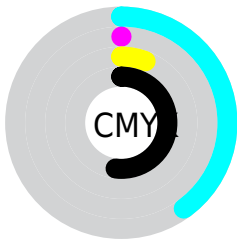
Distribution



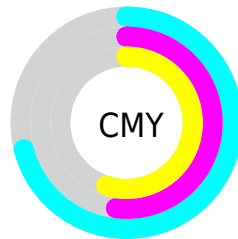
- Red (29%)
- Green (48%)
- Blue (45%)



- Red (29%)
- Yellow (39%)
- Blue (48%)



- Cyan (40%)
- Magenta (0%)
- Yellow (6%)
- Black (52%)



- Cyan (71%)
- Magenta (52%)
- Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.0594, 16.8827, 19.0934 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 13.0594, 16.8827, 19.0934 by changing the saturation by 10% instead.

■ 13.0594, 16.8827,
19.0934

■ 13.0594, 16.8827,
19.0934

204.9279,
234.4955, 259.4038

■ 7.5467, 10.1509,
11.5603

■ 31.0109, 38.1240,
42.7307

■ 3.8557, 5.4991,
6.3261

■ 44.1804, 53.4023,
59.6719

■ 1.6208, 2.5430,
2.9724

■ 60.6329, 72.2981,
80.5863

■ 0.4059, 0.8981,
1.0806

■ 80.7338, 95.1960,
105.8923

■ 0.0000, 0.0000,
0.0000

■ 104.8484,
122.4803, 136.0085

133.3420,

154.5354, 171.3535

166.5801,
191.7457, 212.3457

■ 13.0594, 16.8827,
19.0934

■ 13.0594, 16.8827,
19.0934

■ 12.1023, 16.4014,
18.5203

■ 14.2046, 17.4616,
19.6861

■ 11.3211, 16.0102,
17.9651

■ 15.5464, 18.1411,
20.2979

■ 10.7041, 15.7034,
17.4276

■ 17.0946, 18.9269,
20.9295

■ 10.2380, 15.4741,
16.9070

■ 18.8578, 19.8232,
21.5814

■ 9.9070, 15.3143,
16.4027

■ 20.8443, 20.8345,
22.2541

■ 9.6591, 15.1971,
15.9121

■ 23.0617, 21.9645,
22.9479

■ 9.6551, 15.1952,
15.9042

■ 25.5175, 23.2173,
23.6634

■ 28.2186, 24.5962,
24.4008

■ 31.1720, 26.1050,
25.1605

Harmonies

Analogous

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



13.3274, 16.8827, 14.6946



13.0594, 16.8827, 19.0934



13.5452, 16.8827, 24.0668

Triad

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



13.0594, 16.8827, 19.0934



17.9248, 16.8827, 27.0414



17.4716, 16.8827, 11.2878

Complementary

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



13.0594, 16.8827, 19.0934



12.1030, 9.7031, 9.0202

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.



18.8382, 16.8827, 13.6719



13.0594, 16.8827, 19.0934



19.1123, 16.8827, 22.6407

Square

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



13.0594, 16.8827, 19.0934



16.2929, 16.8827, 29.1324



19.4575, 16.8827, 17.6893



15.8026, 16.8827, 10.6677

Rectangle

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



13.0594, 16.8827, 19.0934



14.2523, 16.8827, 26.8963



19.4575, 16.8827, 17.6893



17.9853, 16.8827, 11.8865

Sweetspot

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



13.0599, 16.8834, 19.0938



29.8942, 33.5280, 37.1966



11.7429, 16.4258, 9.0305



6.9725, 7.8618, 8.7332



60.6688, 63.8283, 69.5090



7.9400, 8.3535, 9.0970

Same Dimension

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



13.0599, 16.8834, 19.0938



21.7742, 29.4213, 33.2303



11.5383, 13.1637, 20.6723



4.0836, 4.5031, 4.9742



9.9862, 15.7182, 16.4442



47.3957, 74.8813, 77.1788

Inverse Universe

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



12.1030, 9.7031, 9.0202



19.8075, 14.6281, 12.5005



13.1589, 12.2138, 8.1429



4.0195, 4.0235, 4.3003



8.5581, 4.3994, 0.9641



40.6276, 20.9074, 3.5689

Previews

White Background



This preview shows how the XYZ color 13.0594, 16.8827, 19.0934 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 13.0594, 16.8827, 19.0934 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

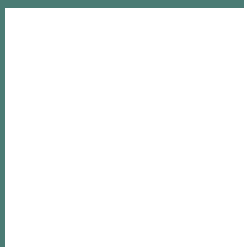
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 13.0594, 16.8827, 19.0934

Background



This preview shows how black text looks on a background with the XYZ color 13.0594, 16.8827, 19.0934.



This preview shows how white text looks on a background with the XYZ color 13.0594, 16.8827,

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

13.0594, 16.8827, 19.0934

Protanopia

15.9221, 16.6490, 17.1263

Deuteranopia

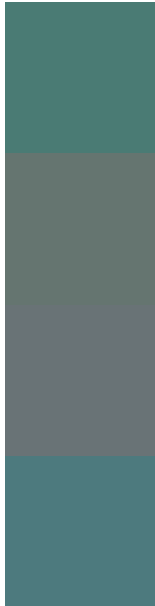
16.9317, 16.6213, 19.7686



Tritanopia

14.0760, 16.9331, 23.9993

Trichromacy



Original Color

13.0594, 16.8827, 19.0934

Protanomaly

14.6527, 16.6591, 17.7725

Deuteranomaly

15.2264, 16.5727, 19.5359

Tritanomaly

13.7860, 17.0032, 22.2940

Monochromacy



Original Color

13.0594, 16.8827, 19.0934

Achromatopsia

14.2537, 14.9960, 16.3306

Achromatomaly

13.5982, 15.4447, 17.3034

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.0594, 16.8827, 19.0934 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(74, 123, 116)` looks like.

```
.text, #text, p{  
    color:rgb(74, 123, 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(74, 123, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(74, 123, 116) }
```

Border

The CSS property to change the border of an element to XYZ 13.0594, 16.8827, 19.0934 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(74, 123, 116) }
```


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

```
.border{ border-color:rgb(74, 123, 116) }
```

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

Here you see how a box with a 4 pixel `rgb(74, 123, 116)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(74, 123, 116); -webkit-box-  
shadow:4px 4px 4px 4px rgb(74, 123, 116);  
box-shadow:4px 4px 4px 4px rgb(74, 123,  
116) }
```

Background

The CSS property to change the background color of an element to XYZ 13.0594, 16.8827, 19.0934 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(74, 123, 116) }
```

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

```
.background{ background-color: rgb(74, 123,  
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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