

Converting Colors

XYZ(16.7928, 18.3318, 8.0074)

Have a look what the booklet for
XYZ(16.7928, 18.3318, 8.0074)
contains.

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Color

**XYZ(16.8159, 18.3447,
7.9648)**

Conversions

Conversions Part 1

Format	Color
Hex	827743
RGB	130, 119, 67
RGB Percent	51%, 47%, 26%
CMY	0.4902, 0.5333, 0.7372
CMYK	0.00, 0.08, 0.48, 0.49
HSL	50°, 32%, 39%
HSV	50°, 48%, 51%
XYZ	16.8159, 18.3447, 7.9648
YIQ	116.3610, 23.2480, -13.8400

Conversions

Conversions Part 2

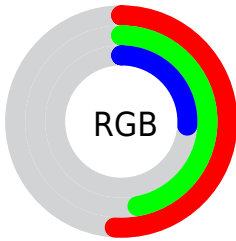
Format	Color
R_{YB}	80, 130, 67
Decimal	8550211
CIE Lab	49.91, -3.41, 30.00
CIE LCh	50, 30.190, 96.484
Yxy	18.3447, 0.3899, 0.4254
Android (android.graphics.Color)	4286740291 (0xFF827743)
YUV	116.3610, -24.3350, 11.9614
Hunter-Lab	42.8307, -4.8723, 18.9559

Details

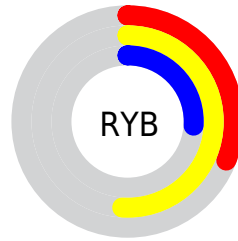
The XYZ color **16.8159, 18.3447, 7.9648** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **9.0684, 8.2536, 22.2343**, and the grayscale version is **16.7792, 17.6530, 19.2241**.

A 20% lighter version of the original color is **37.4825, 40.5771, 22.3796**, and **5.6130, 6.2229, 1.6148** is the 20% darker color. If you saturate the color by 10%, you get **16.2022, 17.6729, 6.0475**, and if you desaturate by 10%, it is **17.5245, 19.0661, 10.3462**.

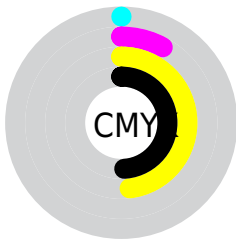
Distribution



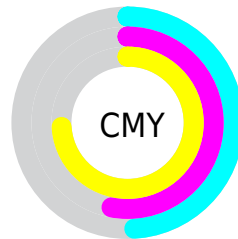
- Red (51%)
- Green (47%)
- Blue (26%)



- Red (31%)
- Yellow (51%)
- Blue (26%)



- Cyan (0%)
- Magenta (8%)
- Yellow (48%)
- Black (49%)



- Cyan (49%)
- Magenta (53%)
- Yellow (74%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.8159, 18.3447, 7.9648 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 16.8159, 18.3447, 7.9648 by changing the saturation by 10% instead.

■ 16.8159, 18.3447,
7.9648

■ 16.8159, 18.3447,
7.9648

227.2862,
242.8068, 185.3799

■ 10.1978, 11.1977,
3.9850

■ 37.5551, 40.6238,
22.4344

■ 5.5936, 6.2000,
1.6171

■ 52.4069, 56.5248,
33.7613

■ 2.6379, 2.9671,
0.3030

■ 70.7340, 76.1125,
48.3744

■ 0.9653, 1.1146,
0.0000

■ 92.9017, 99.7714,
66.6920

■ 0.0000, 0.0000,
0.0000

■ 119.2755,
127.8859, 89.1329

150.2206,

160.8404, 116.1154

186.1024,
199.0192, 148.0583

■ 16.8159, 18.3447,
7.9648

■ 16.8159, 18.3447,
7.9648

■ 16.2022, 17.6729,
6.0475

■ 17.5245, 19.0661,
10.3462

■ 15.6761, 17.0457,
4.5619

■ 18.3322, 19.8369,
13.2190

■ 15.2313, 16.4612,
3.4733

■ 19.2443, 20.6599,
16.6096

■ 14.8602, 15.9163,
2.7409

■ 20.2655, 21.5371,
20.5423

■ 14.5434, 15.4031,
2.2641

■ 21.4002, 22.4703,
25.0397

■ 14.4958, 15.3255,
2.1941

■ 22.6524, 23.4611,
30.1233

■ 24.0260, 24.5113,
35.8134

■ 25.5249, 25.6223,
42.1293

■ 27.1524, 26.7957,
49.0894

Harmonies

Analogous

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



19.7493, 18.3447, 8.6444



16.8159, 18.3447, 7.9648



14.3355, 18.3447, 9.7142

Triad

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



16.8159, 18.3447, 7.9648



13.3379, 18.3447, 31.0136



23.0457, 18.3447, 27.0231

Complementary

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



16.8159, 18.3447, 7.9648



9.0684, 8.2536, 22.2343

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.



20.9544, 18.3447, 35.7021



16.8159, 18.3447, 7.9648



15.3109, 18.3447, 38.4157

Square

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



16.8159, 18.3447, 7.9648



12.4758, 18.3447, 21.8264



18.0713, 18.3447, 40.3339



23.5627, 18.3447, 18.2300

Rectangle

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



16.8159, 18.3447, 7.9648



13.2003, 18.3447, 12.4106



18.0713, 18.3447, 40.3339



22.4931, 18.3447, 30.1167

Sweetspot

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



16.8163, 18.3456, 7.9652



34.4309, 36.8554, 31.3075



12.6082, 9.3184, 8.4459



7.7240, 8.2818, 6.8222



62.3462, 65.5931, 71.4309



8.4577, 8.8982, 9.6901

Same Dimension

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



16.8163, 18.3456, 7.9652



28.4483, 31.0259, 10.3978



15.4325, 19.6888, 8.2974



4.6035, 4.8957, 4.6225



13.9035, 14.7034, 2.1052



0.0000, 0.0000, 0.0000

Inverse Universe

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



9.0684, 8.2536, 22.2343



13.1387, 11.1005, 38.6426



9.9625, 7.6501, 22.0707



4.1649, 4.3238, 5.4283



4.1553, 2.1290, 20.4419



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 16.8159, 18.3447, 7.9648 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 16.8159, 18.3447, 7.9648 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 16.8159, 18.3447, 7.9648

Background



This preview shows how black text looks on a background with the XYZ color 16.8159, 18.3447, 7.9648.



This preview shows how white text looks on a background with the XYZ color 16.8159, 18.3447,

7.9648.

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

16.8159, 18.3447, 7.9648

Protanopia

16.8159, 18.3447, 7.9648

Deuteranopia

18.6256, 18.2474, 8.0093



Tritanopia

19.3480, 18.3416, 20.6097

Trichromacy



Original Color

16.8159, 18.3447, 7.9648

Protanomaly

16.8159, 18.3447, 7.9648

Deuteranomaly

17.9893, 18.2543, 8.0441

Tritanomaly

18.1526, 18.1876, 14.8657

Monochromacy



Original Color

16.8159, 18.3447, 7.9648

Achromatopsia

16.6002, 17.4647, 19.0191

Achromatomaly

16.4511, 17.6694, 14.0987

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.8159, 18.3447, 7.9648 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(130, 119, 67)` looks like.

```
.text, #text, p{  
    color:rgb(130, 119, 67)  
}
```

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(130, 119, 67) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 119, 67) }
```

Border

The CSS property to change the border of an element to XYZ 16.8159, 18.3447, 7.9648 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(130, 119, 67) }
```


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

```
.border{ border-color:rgb(130, 119, 67) }
```

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

Here you see how a box with a 4 pixel `rgb(130, 119, 67)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(130, 119, 67); -webkit-box-  
shadow:4px 4px 4px 4px rgb(130, 119, 67);  
box-shadow:4px 4px 4px 4px rgb(130, 119,  
67) }
```

Background

The CSS property to change the background color of an element to XYZ 16.8159, 18.3447, 7.9648 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 119, 67) }
```

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

```
.background{ background-color: rgb(130,  
119, 67) }
```

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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