

Converting Colors

XYZ(8.9973, 15.0944, 5.7265)

Have a look what the booklet for
XYZ(8.9973, 15.0944, 5.7265)
contains.

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Color

**XYZ(8.9694, 15.0668,
5.6843)**

Conversions

Conversions Part 1

Format	Color
Hex	317B34
RGB	49, 123, 52
RGB Percent	19%, 48%, 20%
CMY	0.8078, 0.5176, 0.7961
CMYK	0.60, 0.00, 0.58, 0.52
HSL	122°, 43%, 34%
HSV	122°, 60%, 48%
XYZ	8.9694, 15.0668, 5.6843
YIQ	92.7800, -21.3130, -37.7690

Conversions

Conversions Part 2

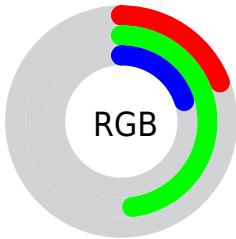
Format	Color
R_{YB}	49, 120, 123
Decimal	3242804
CIE Lab	45.73, -38.42, 31.67
CIE LCh	46, 49.794, 140.497
Yxy	15.0668, 0.3018, 0.5069
Android (android.graphics.Color)	4281432884 (0xFF317B34)
YUV	92.7800, -20.1045, -38.3951
Hunter-Lab	38.8160, -26.6811, 18.4886

Details

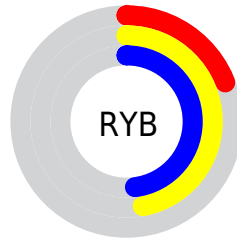
The XYZ color **8.9694, 15.0668, 5.6843** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **12.6572, 7.7638, 18.6008**, and the grayscale version is **10.4024, 10.9441, 11.9182**.

A 20% lighter version of the original color is **23.4678, 34.8738, 17.8064**, and **2.4045, 4.7739, 0.9096** is the 20% darker color. If you saturate the color by 10%, you get **8.2219, 14.7089, 4.4312**, and if you desaturate by 10%, it is **9.9461, 15.5361, 7.2958**.

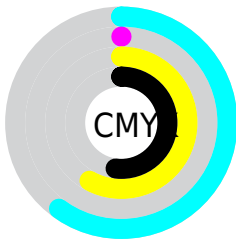
Distribution



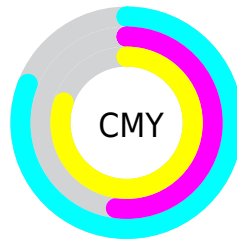
- Red (19%)
- Green (48%)
- Blue (20%)



- Red (19%)
- Yellow (47%)
- Blue (48%)



- Cyan (60%)
- Magenta (0%)
- Yellow (58%)
- Black (52%)





- Cyan (81%)
- Magenta (52%)
- Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 8.9694, 15.0668, 5.6843 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 8.9694, 15.0668, 5.6843 by changing the saturation by 10% instead.


 8.9694, 15.0668,
5.6843


 8.9694, 15.0668,
5.6843


177.3613,
223.7702, 165.4266


 4.7782, 8.8663,
2.5884


 23.5058, 34.9703,
17.7382


 2.1511, 4.6541,
0.8865

 34.5816, 49.4421,
27.5334


 0.7168, 2.0458,
0.0000

 48.6830, 67.4398,
40.3987

 0.0000, 0.6339,
0.0000

 66.1754, 89.3477,
56.7527

 0.0000, 0.0000,
0.0000

 87.4240, 115.5504,
77.0139

 112.7943,

146.4320, 101.6010

142.6517,
182.3772, 130.9324

■ 8.9694, 15.0668,
5.6843

■ 8.9694, 15.0668,
5.6843

■ 8.2219, 14.7089,
4.4312

■ 9.9461, 15.5361,
7.2958

■ 7.6839, 14.4514,
3.5083

■ 11.1674, 16.1229,
9.2891

■ 7.3343, 14.2846,
2.8846

■ 12.6488, 16.8350,
11.6869

■ 7.1106, 14.1774,
2.5050

■ 14.4040, 17.6792,
14.5096

■ 16.4459, 18.6616,
17.7766

■ 18.7865, 19.7881,
21.5058

■ 21.4371, 21.0642,
25.7142

■ 24.4085, 22.4950,
30.4180

■ 27.7109, 24.0854,
35.6326

Harmonies

Analogous

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



11.6856, 15.0668, 2.9079



8.9694, 15.0668, 5.6843



7.7642, 15.0668, 12.8895

Triad

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



8.9694, 15.0668, 5.6843



13.0336, 15.0668, 51.2088



23.2494, 15.0668, 9.5910

Complementary

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



8.9694, 15.0668, 5.6843



12.6572, 7.7638, 18.6008

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.



23.8045, 15.0668, 20.5083



8.9694, 15.0668, 5.6843



17.3245, 15.0668, 48.8086

Square

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



8.9694, 15.0668, 5.6843



9.7906, 15.0668, 41.3589



21.4634, 15.0668, 35.8455



20.0683, 15.0668, 4.2801

Rectangle

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



8.9694, 15.0668, 5.6843



7.7803, 15.0668, 20.9680



21.4634, 15.0668, 35.8455



23.7705, 15.0668, 12.5575

Sweetspot

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



8.9698, 15.0674, 5.6846



26.3850, 31.9425, 26.9312



15.4579, 18.4197, 5.6464



6.0149, 7.4271, 6.0234



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.



8.9698, 15.0674, 5.6846



14.3339, 26.1525, 7.2734



10.1308, 15.5318, 11.7985



3.9569, 4.4524, 4.3067



7.3551, 14.6657, 2.5887



35.0080, 69.9262, 11.9461

Inverse Universe

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



12.6572, 7.7638, 18.6008



21.5623, 11.8150, 32.5777



10.8491, 7.0406, 9.0794



4.1478, 4.0748, 4.9760



11.8331, 5.7094, 18.2098



56.3664, 27.2029, 86.4484

Previews

White Background



This preview shows how the XYZ color 8.9694, 15.0668, 5.6843 looks on a white background.

Color Contrast Check

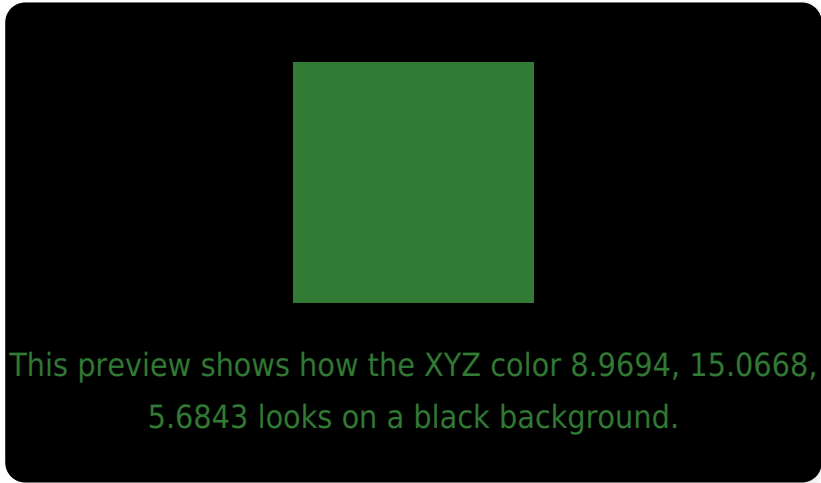
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



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 8.9694, 15.0668, 5.6843

Background



This preview shows how black text looks on a background with the XYZ color 8.9694, 15.0668, 5.6843.



This preview shows how white text looks on a background with the XYZ color 8.9694, 15.0668,

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

8.9694, 15.0668, 5.6843

Protanopia

13.6214, 14.9234, 4.8519

Deuteranopia

15.1297, 14.9115, 6.0838



Tritanopia

12.1471, 14.9354, 21.6446

Trichromacy



Original Color

8.9694, 15.0668, 5.6843

Protanomaly

11.0756, 14.4117, 5.1037

Deuteranomaly

11.7692, 14.2622, 5.8739

Tritanomaly

10.5465, 14.7994, 13.8560

Monochromacy



Original Color

8.9694, 15.0668, 5.6843

Achromatopsia

10.4043, 10.9462, 11.9204

Achromatomaly

9.3860, 12.0285, 9.0348

CSS Examples

Text

The CSS property to change the color of the text to XYZ 8.9694, 15.0668, 5.6843 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(49, 123, 52)` looks like.

```
.text, #text, p{  
    color:rgb(49, 123, 52)  
}
```

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(49, 123, 52) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(49, 123, 52) }
```

Border

The CSS property to change the border of an element to XYZ 8.9694, 15.0668, 5.6843 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(49, 123, 52) }
```


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

```
.border{ border-color:rgb(49, 123, 52) }
```

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

Here you see how a box with a 4 pixel `rgb(49, 123, 52)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(49, 123, 52); -webkit-box-  
shadow:4px 4px 4px 4px rgb(49, 123, 52);  
box-shadow:4px 4px 4px 4px rgb(49, 123,  
52) }
```

Background

The CSS property to change the background color of an element to XYZ 8.9694, 15.0668, 5.6843 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(49, 123, 52) }
```

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

```
.background{ background-color: rgb(49, 123,  
52) }
```

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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