

Converting Colors

XYZ(9.3138, 12.8811, 0.0000)

Have a look what the booklet for
XYZ(9.3138, 12.8811, 0.0000)
contains.

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Color

**XYZ(9.6769, 12.9493,
1.9894)**

Conversions

Conversions Part 1

Format	Color
Hex	5B6C00
RGB	91, 108, 0
RGB Percent	36%, 42%, 0%
CMY	0.6431, 0.5765, 1.0000
CMYK	0.16, 0.00, 1.00, 0.58
HSL	69°, 100%, 21%
HSV	69°, 100%, 42%
XYZ	9.6769, 12.9493, 1.9894
YIQ	90.6050, 24.5360, -37.1920

Conversions

Conversions Part 2

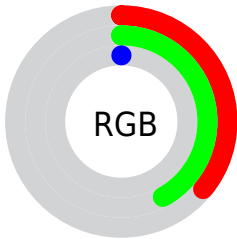
Format	Color
RYB	0, 108, 17
Decimal	5991424
CIELab	42.69, -19.49, 48.51
CIELCh	43, 52.276, 111.887
Yxy	12.9493, 0.3931, 0.5261
Android (android.graphics.Color)	4284181504 (0xFF5B6C00)
YUV	90.6050, -44.6683, 0.3464
Hunter-Lab	35.9851, -14.9729, 21.9118

Details

The XYZ color **9.6769, 12.9493, 1.9894** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **2.9383, 1.2021, 14.2654**, and the grayscale version is **9.9488, 10.4669, 11.3985**.

A 20% lighter version of the original color is **24.7153, 31.0518, 8.9659**, and **2.5438, 3.7886, 0.5972** is the 20% darker color. If you saturate the color by 10%, you get **9.6771, 12.9498, 1.9895**, and if you desaturate by 10%, it is **9.9060, 13.0610, 2.3096**.

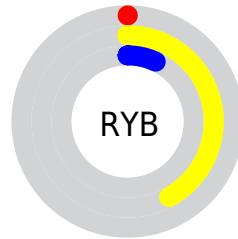
Distribution



Red (36%)

Green (42%)

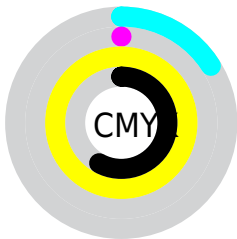
Blue (0%)



Red (0%)

Yellow (42%)

Blue (7%)

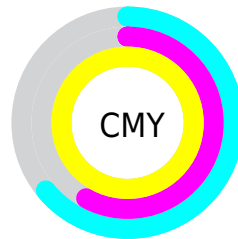


Cyan (16%)

Magenta (0%)

Yellow (100%)

Black (58%)



Cyan (64%)

Magenta (58%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 9.6769, 12.9493, 1.9894 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 9.6769, 12.9493, 1.9894 by changing the saturation by 10% instead.

■ 9.6769, 12.9493,
1.9894

■ 9.6769, 12.9493,
1.9894

■ 182.4525,
210.5925, 122.2120

■ 5.2459, 7.3936,
0.5487

■ 24.8412, 31.2127,
9.0118

■ 2.4285, 3.7095,
0.0000

■ 36.3052, 44.6892,
15.4875

■ 0.8593, 1.5124,
0.0000

■ 50.8443, 61.5747,
24.4975

■ 0.0000, 0.2974,
0.0000

■ 68.8237, 82.2538,
36.4604


■ 0.0000, 0.0000,
0.0000


■ 90.6089, 107.1107,
51.7948


■ 116.5652,


136.5298, 70.9191


 147.0579,
170.8956, 94.2520


 9.6769, 12.9493,
1.9894


 9.6769, 12.9493,
1.9894


 9.6771, 12.9498,
1.9895

 9.9060, 13.0610,
2.3096

 10.1611, 13.1831,
2.7483

 10.4636, 13.3245,
3.4160

 10.8183, 13.4873,
4.3385

 11.2294, 13.6732,
5.5381

■ 11.7009, 13.8836,
7.0348

■ 12.2361, 14.1199,
8.8465

■ 12.8382, 14.3835,
10.9900

■ 13.5102, 14.6755,
13.4807

Harmonies

Analogous

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



13.4164, 12.9493, 1.6439



9.6769, 12.9493, 1.9894



7.2275, 12.9493, 4.4554

Triad

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



9.6769, 12.9493, 1.9894



8.1735, 12.9493, 39.2299



21.5129, 12.9493, 17.4138

Complementary

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



9.6769, 12.9493, 1.9894



2.9383, 1.2021, 14.2654

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.



19.3407, 12.9493, 32.3457



9.6769, 12.9493, 1.9894



11.2622, 12.9493, 48.6860

Square

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



9.6769, 12.9493, 1.9894



6.4984, 12.9493, 23.9158



15.3772, 12.9493, 45.6522



20.8329, 12.9493, 7.4213

Rectangle

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



9.6769, 12.9493, 1.9894



6.3867, 12.9493, 8.3385



15.3772, 12.9493, 45.6522



21.0781, 12.9493, 22.0430

Sweetspot

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



9.6772, 12.9499, 1.9897



21.3994, 24.7521, 15.2484



6.3731, 3.5650, 0.3524



5.1049, 5.9582, 3.4344



54.2243, 57.0482, 62.1254



6.0569, 6.3724, 6.9395

Same Dimension

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



9.6772, 12.9499, 1.9897



16.9087, 22.6926, 3.4889



6.1550, 11.1342, 1.8248



3.2887, 3.5606, 3.3314



11.5235, 15.4358, 2.3720



58.1168, 78.3424, 12.0585

Inverse Universe

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



2.9383, 1.2021, 14.2654



5.0848, 2.0723, 25.0397



5.2475, 2.3926, 14.3735



2.9887, 3.0459, 3.8653



3.4869, 1.4246, 17.0134



17.2704, 7.0028, 86.6676

Previews

White Background



This preview shows how the XYZ color 9.6769, 12.9493, 1.9894 looks on a white background.

Color Contrast Check

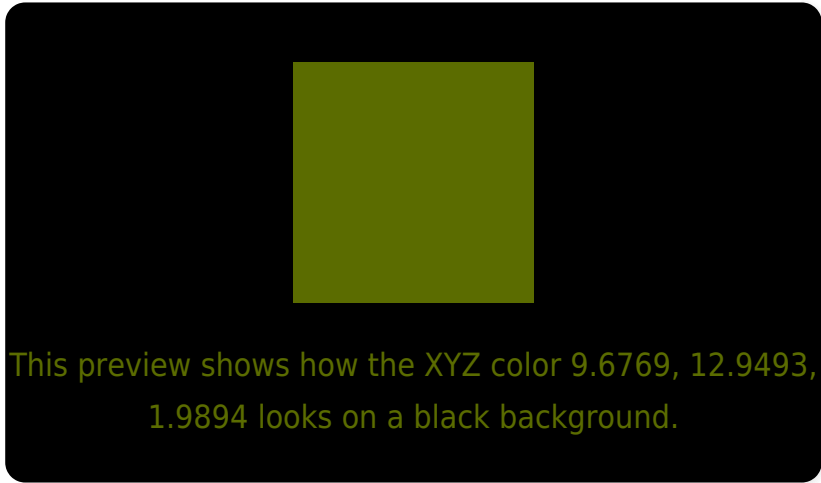
Large Text (above 18pt) WCAG AA ✓ Pass

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

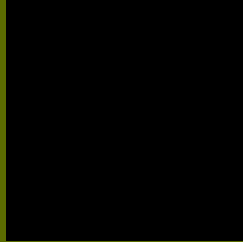
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 9.6769, 12.9493, 1.9894

Background



This preview shows how black text looks on a background with the XYZ color 9.6769, 12.9493, 1.9894.



This preview shows how white text looks on a background with the XYZ color 9.6769, 12.9493,

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

9.6769, 12.9493, 1.9894

Protanopia

11.5931, 12.8848, 1.8760

Deuteranopia

13.0528, 12.9248, 2.4229



Tritanopia

12.5195, 12.9064, 16.0187

Trichromacy



Original Color

9.6769, 12.9493, 1.9894

Protanomaly

10.8942, 12.9648, 1.9283

Deuteranomaly

11.5630, 12.7183, 2.1933

Tritanomaly

10.8542, 12.6716, 7.5040

Monochromacy



Original Color

9.6769, 12.9493, 1.9894

Achromatopsia

9.9438, 10.4616, 11.3927

Achromatomaly

9.3528, 11.0790, 5.6485

CSS Examples

Text

The CSS property to change the color of the text to XYZ 9.6769, 12.9493, 1.9894 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(91, 108, 0)` looks like.

```
.text, #text, p{  
    color:rgb(91, 108, 0)  
}
```

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(91, 108, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(91, 108, 0) }
```

Border

The CSS property to change the border of an element to XYZ 9.6769, 12.9493, 1.9894 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(91, 108, 0) }
```


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

```
.border{ border-color:rgb(91, 108, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(91, 108, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(91, 108, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(91, 108, 0);  
box-shadow:4px 4px 4px 4px rgb(91, 108, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 9.6769, 12.9493, 1.9894 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(91, 108, 0) }
```

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

```
.background{ background-color: rgb(91, 108,  
0) }
```

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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