

Converting Colors

XYZ(2.2388, 5.5451, 0.0000)

Have a look what the booklet for
XYZ(2.2388, 5.5451, 0.0000)
contains.

XYZ(2.9424, 5.8849, 0.9808)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	22
<i>Color Blindness Simulation</i>	25
<i>CSS Examples</i>	28

Color

XYZ(2.9424, 5.8849, 0.9808)

Conversions

Conversions Part 1

Format	Color
Hex	005100
RGB	0, 81, 0
RGB Percent	0%, 32%, 0%
CMY	1.0000, 0.6823, 1.0000
CMYK	1.00, 0.00, 1.00, 0.68
HSL	120°, 100%, 16%
HSV	120°, 100%, 32%
XYZ	2.9424, 5.8849, 0.9808
YIQ	47.5470, -22.2750, -42.3630

Conversions

Conversions Part 2

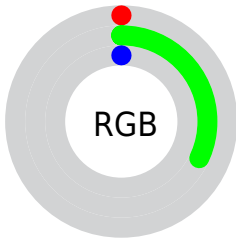
Format	Color
RYB	0, 81, 81
Decimal	20736
CIELab	29.12, -37.49, 36.18
CIELCh	29, 52.098, 136.016
Yxy	5.8849, 0.3000, 0.6000
Android (android.graphics.Color)	4278210816 (0xFF005100)
YUV	47.5470, -23.4407, -41.6987
Hunter-Lab	24.2588, -20.8023, 14.5840

Details

The XYZ color **2.9424, 5.8849, 0.9808** is a dark color, and the websafe version is hex **006600**. A complement of this color would be **4.8787, 2.3435, 7.9797**, and the grayscale version is **2.7868, 2.9319, 3.1928**.

A 20% lighter version of the original color is **10.8938, 17.5954, 5.9541**, and **0.6616, 1.3231, 0.2205** is the 20% darker color. If you saturate the color by 10%, you get **2.9426, 5.8852, 0.9809**, and if you desaturate by 10%, it is **3.0884, 5.9552, 1.2194**.

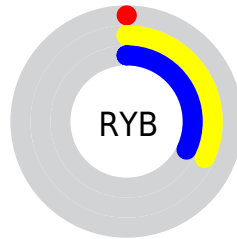
Distribution



Red (0%)

Green (32%)

Blue (0%)



Red (0%)

Yellow (32%)

Blue (32%)

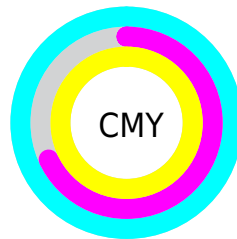


Cyan (100%)

Magenta (0%)

Yellow (100%)

Black (68%)



Cyan (100%)


Magenta (68%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the XYZ color 2.9424, 5.8849, 0.9808 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 2.9424, 5.8849, 0.9808 by changing the saturation by 10% instead.


 2.9424, 5.8849,
0.9808


 2.9424, 5.8849,
0.9808

 123.0398,
158.0472, 103.7179


 1.1234, 2.7752,
0.0000


 10.9380, 17.6918,
5.9974


 0.0445, 1.0155,
0.0000

 17.8454, 27.1579,
11.0674

 0.0000, 0.0000,
0.0000


 27.1795, 39.5115,
18.4031


 39.3058, 55.1371,
28.4232


 54.5896, 74.4191,
41.5462


 73.3963, 97.7419,


58.1906


 96.0913, 125.4898,
78.7750


 2.9424, 5.8849,
0.9808


 2.9424, 5.8849,
0.9808


 2.9426, 5.8852,
0.9809

 3.0884, 5.9552,
1.2194

 3.2548, 6.0351,
1.4915

 3.4945, 6.1503,
1.8837

 3.8170, 6.3052,
2.4112

 4.2289, 6.5030,
3.0849

■ 4.7361, 6.7467,
3.9145

■ 5.3441, 7.0387,
4.9090

■ 6.0579, 7.3816,
6.0765

■ 6.8822, 7.7776,
7.4248

Harmonies

Analogous

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



4.4426, 5.8849, 0.0092



2.9424, 5.8849, 0.9808



2.2671, 5.8849, 3.7731

Triad

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



2.9424, 5.8849, 0.9808



4.5760, 5.8849, 28.7763



11.1220, 5.8849, 3.4716

Complementary

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



2.9424, 5.8849, 0.9808



4.8787, 2.3435, 7.9797

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.



11.1874, 5.8849, 10.0491



2.9424, 5.8849, 0.9808



6.9276, 5.8849, 28.4557

Square

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



2.9424, 5.8849, 0.9808



3.0165, 5.8849, 20.8513



9.4913, 5.8849, 20.1501



9.3318, 5.8849, 0.8893

Rectangle

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



2.9424, 5.8849, 0.9808



2.2082, 5.8849, 7.8539



9.4913, 5.8849, 20.1501



11.3604, 5.8849, 5.1508

Sweetspot

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



2.9426, 5.8852, 0.9809



8.9763, 11.9189, 8.1632



6.3361, 7.6346, 1.1397



2.2597, 3.0584, 2.0053



43.9474, 46.2361, 50.3512



3.4509, 3.6306, 3.9538

Same Dimension

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



2.9426, 5.8852, 0.9809



5.0059, 10.0117, 1.6687



3.3342, 6.0418, 3.0429



1.8685, 2.0921, 2.0326



28.8707, 57.7414, 9.6238

Inverse Universe

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



4.8787, 2.3435, 7.9797



8.2995, 3.9867, 13.5748



3.7851, 1.9061, 2.2209



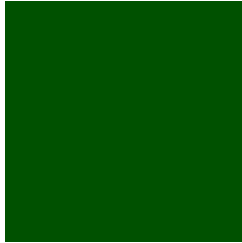
1.9561, 1.9318, 2.3493



47.8665, 22.9928, 78.2909

Previews

White Background



This preview shows how the XYZ color 2.9424, 5.8849, 0.9808 looks on a white background.

Color Contrast Check

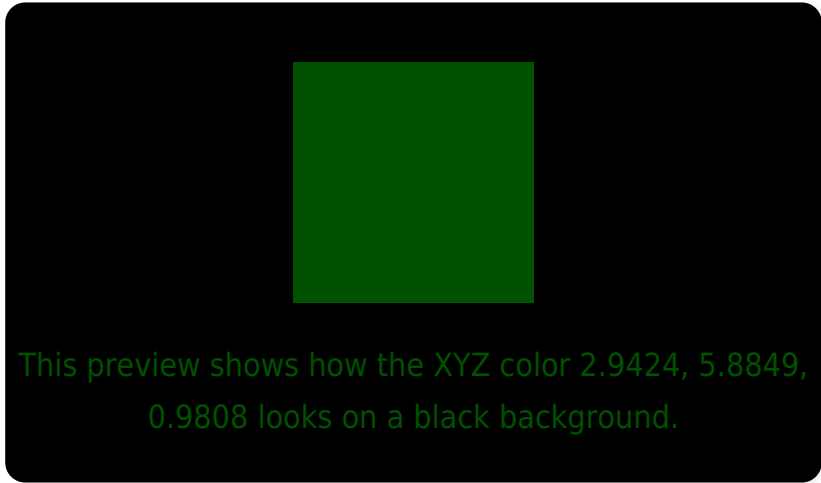
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 2.9424, 5.8849, 0.9808

Background



This preview shows how black text looks on a background with the XYZ color 2.9424, 5.8849, 0.9808.



This preview shows how white text looks on a background with the XYZ color 2.9424, 5.8849, 0.9808.

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

2.9424, 5.8849, 0.9808

Protanopia

5.2700, 5.8759, 0.8564

Deuteranopia

5.9879, 5.9663, 1.4083



Tritanopia

4.6610, 5.9663, 8.6905

Trichromacy



Original Color

2.9424, 5.8849, 0.9808

Protanomaly

3.6979, 5.4432, 0.8557

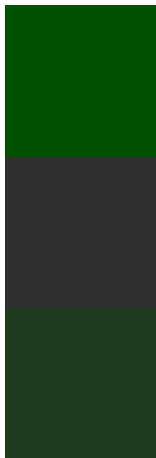
Deuteranomaly

3.8892, 5.3429, 1.1429

Tritanomaly

3.6046, 5.7263, 4.1641

Monochromacy



Original Color

2.9424, 5.8849, 0.9808

Achromatopsia

2.8094, 2.9557, 3.2187

Achromatomaly

2.4283, 3.6220, 1.8674

CSS Examples

Text

The CSS property to change the color of the text to XYZ 2.9424, 5.8849, 0.9808 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(0, 81, 0)` looks like.

```
.text, #text, p{  
    color:rgb(0, 81, 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(0, 81, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 81, 0) }
```

Border

The CSS property to change the border of an element to XYZ 2.9424, 5.8849, 0.9808 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(0, 81, 0) }
```

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

```
.border{ border-color:rgb(0, 81, 0) }
```

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

Here you see how a box with a 4 pixel rgb(0, 81, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 81, 0); -webkit-box-shadow:4px  
4px 4px 4px rgb(0, 81, 0); box-shadow:4px  
4px 4px 4px rgb(0, 81, 0) }
```

Background

The CSS property to change the background color of an element to XYZ 2.9424, 5.8849, 0.9808 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 81, 0) }
```

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

```
.background{ background-color: rgb(0, 81,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor