

Converting Colors

XYZ(9.2434, 18.2389, 3.8445)

Have a look what the booklet for
XYZ(9.2434, 18.2389, 3.8445)
contains.

XYZ(9.2431, 18.2388, 3.8439)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(9.2431, 18.2388,
3.8439)**

Conversions

Conversions Part 1

Format	Color
Hex	008A17
RGB	0, 138, 23
RGB Percent	0%, 54%, 9%
CMY	1.0000, 0.4588, 0.9098
CMYK	1.00, 0.00, 0.83, 0.46
HSL	130°, 100%, 27%
HSV	130°, 100%, 54%
XYZ	9.2431, 18.2388, 3.8439
YIQ	83.6280, -45.3330, -65.0210

Conversions

Conversions Part 2

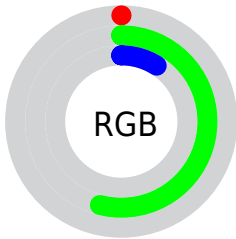
Format	Color
RYB	0, 118, 138
Decimal	35351
CIELab	49.78, -53.62, 47.81
CIELCh	50, 71.843, 138.279
Yxy	18.2388, 0.2951, 0.5822
Android (android.graphics.Color)	4278225431 (0xFF008A17)
YUV	83.6280, -29.8896, -73.3418
Hunter-Lab	42.7069, -36.1042, 24.5583

Details

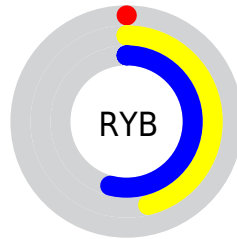
The XYZ color **9.2431, 18.2388, 3.8439** is a dark color, and the websafe version is hex **009933**. A complement of this color would be **13.5760, 6.6412, 16.7851**, and the grayscale version is **8.4168, 8.8552, 9.6433**.

A 20% lighter version of the original color is **24.0657, 40.5606, 13.5818**, and **3.3278, 6.6556, 1.1093** is the 20% darker color. If you saturate the color by 10%, you get **9.2436, 18.2396, 3.8443**, and if you desaturate by 10%, it is **9.5629, 18.3879, 4.5971**.

Distribution



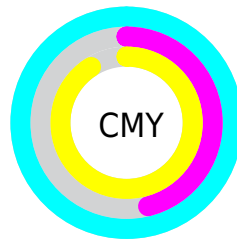
- Red (0%)
- Green (54%)
- Blue (9%)



- Red (0%)
- Yellow (46%)
- Blue (54%)



- Cyan (100%)
- Magenta (0%)
- Yellow (83%)
- Black (46%)





- Cyan (100%)
- Magenta (46%)
- Yellow (91%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 9.2431, 18.2388, 3.8439 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 9.2431, 18.2388, 3.8439 by changing the saturation by 10% instead.


 9.2431, 18.2388,
3.8439


 9.2431, 18.2388,
3.8439


179.3501,
242.2136, 146.4742


 4.9585, 11.1216,
1.5401


 24.0246, 40.4438,
13.6481


 2.2574, 6.1487,
0.2475

 35.2521, 56.3004,
21.9856


 0.7727, 2.9357,
0.0000

 49.5247, 75.8389,
33.1714

 0.0000, 1.0982,
0.0000


 67.2076, 99.4436,
47.6241


 0.0000, 0.0000,
0.0000


 88.6663, 127.4991,
65.7622


 114.2660,


160.3897, 88.0042


 144.3722,
198.4997, 114.7687


 9.2431, 18.2388,
3.8439


 9.2431, 18.2388,
3.8439


 9.2436, 18.2396,
3.8443

 9.5629, 18.3879,
4.5971

 10.0501, 18.6163,
5.6489

 10.7705, 18.9579,
7.0288

 11.7497, 19.4253,
8.7611

 13.0098, 20.0296,
10.8678

■ 14.5706, 20.7804,
13.3692

■ 16.4498, 21.6867,
16.2838

■ 18.6641, 22.7564,
19.6293

■ 21.2287, 23.9972,
23.4223

Harmonies

Analogous

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



13.5224, 18.2388, 1.2571



9.2431, 18.2388, 3.8439



7.3696, 18.2388, 13.1370

Triad

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



9.2431, 18.2388, 3.8439



14.7941, 18.2388, 84.4637



33.0987, 18.2388, 10.2187

Complementary

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



9.2431, 18.2388, 3.8439



13.5760, 6.6412, 16.7851

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.



33.7028, 18.2388, 28.5538



9.2431, 18.2388, 3.8439



21.8053, 18.2388, 81.5645

Square

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



9.2431, 18.2388, 3.8439



9.9618, 18.2388, 63.4409



29.1476, 18.2388, 57.0473



27.6663, 18.2388, 2.9103

Rectangle

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



9.2431, 18.2388, 3.8439



7.2921, 18.2388, 25.8035



29.1476, 18.2388, 57.0473



33.9173, 18.2388, 14.9056

Sweetspot

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



9.2436, 18.2396, 3.8443



28.7647, 38.1141, 28.3500



16.1593, 21.8227, 3.3605



6.1700, 8.4129, 5.9249



65.7814, 69.2071, 75.3665



9.5508, 10.0482, 10.9424

Same Dimension

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



9.2436, 18.2396, 3.8443



16.2513, 32.1326, 6.5578



11.0207, 18.9504, 13.2025



5.0037, 5.6210, 5.5404



8.4787, 16.7241, 3.5456



0.0600, 0.1126, 0.0430

Inverse Universe

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



13.5760, 6.6412, 16.7851



23.8794, 11.6860, 29.3234



10.9748, 5.6008, 3.0875



5.1987, 5.1149, 6.1346



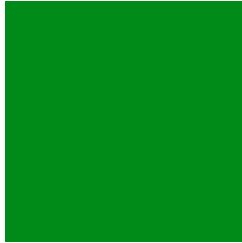
12.4513, 6.0906, 15.4129



0.0871, 0.0422, 0.1256

Previews

White Background



This preview shows how the XYZ color 9.2431, 18.2388, 3.8439 looks on a white background.

Color Contrast Check

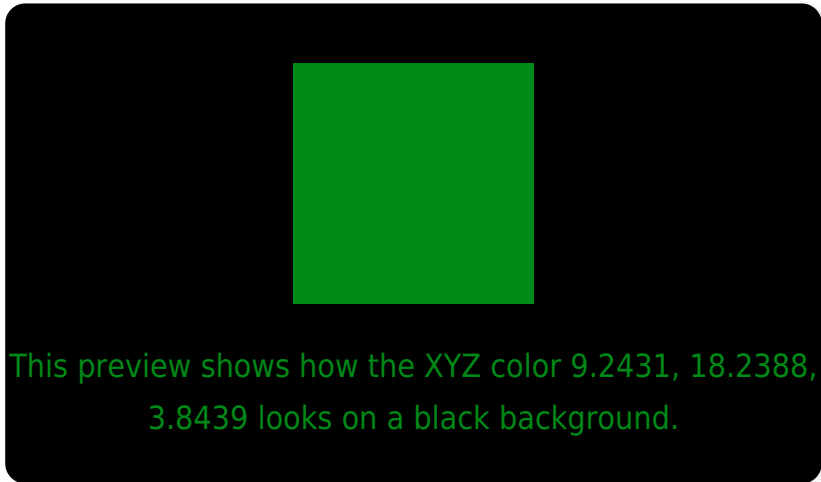
Large Text (above 18pt) WCAG AA ✓ Pass

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 ✓ Pass

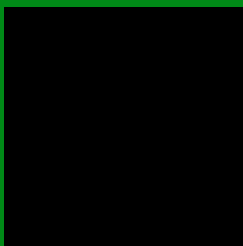
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

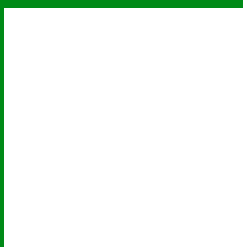
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 9.2431, 18.2388, 3.8439

Background



This preview shows how black text looks on a background with the XYZ color 9.2431, 18.2388, 3.8439.



This preview shows how white text looks on a background with the XYZ color 9.2431, 18.2388,

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

9.2431, 18.2388, 3.8439

Protanopia

16.2525, 17.9839, 3.1450

Deuteranopia

18.3408, 18.0178, 4.2614



Tritanopia

14.0667, 18.1723, 27.1923

Trichromacy



Original Color

9.2431, 18.2388, 3.8439



Protanomaly

11.1975, 16.6455, 3.2388



Deuteranomaly

11.7142, 16.1587, 3.8680



Tritanomaly

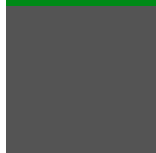
11.1365, 17.7407, 14.1466

Monochromacy



Original Color

9.2431, 18.2388, 3.8439



Achromatopsia

8.4267, 8.8656, 9.6546



Achromatomaly

7.2880, 11.0053, 6.2975

CSS Examples

Text

The CSS property to change the color of the text to XYZ 9.2431, 18.2388, 3.8439 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, 138, 23)` looks like.

```
.text, #text, p{  
    color:rgb(0, 138, 23)  
}
```

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, 138, 23) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 138, 23) }
```

Border

The CSS property to change the border of an element to XYZ 9.2431, 18.2388, 3.8439 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, 138, 23) }
```


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

```
.border{ border-color:rgb(0, 138, 23) }
```

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

Here you see how a box with a 4 pixel rgb(0, 138, 23) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 138, 23); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 138, 23);  
box-shadow:4px 4px 4px 4px rgb(0, 138, 23)  
}
```

Background

The CSS property to change the background color of an element to XYZ 9.2431, 18.2388, 3.8439 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 138, 23) }
```

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

```
.background{ background-color: rgb(0, 138,  
23) }
```

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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