

Converting Colors

XYZ(9.5509, 18.8838, 3.8555)

Have a look what the booklet for
XYZ(9.5509, 18.8838, 3.8555)
contains.

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Color

**XYZ(9.5134, 18.8103,
3.8388)**

Conversions

Conversions Part 1

Format	Color
Hex	008C15
RGB	0, 140, 21
RGB Percent	0%, 55%, 8%
CMY	1.0000, 0.4510, 0.9176
CMYK	1.00, 0.00, 0.85, 0.45
HSL	129°, 100%, 27%
HSV	129°, 100%, 55%
XYZ	9.5134, 18.8103, 3.8388
YIQ	84.5740, -45.2410, -66.6890

Conversions

Conversions Part 2

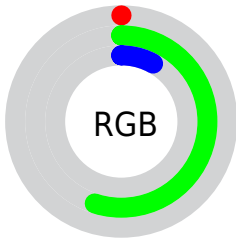
Format	Color
RYB	0, 122, 140
Decimal	35861
CIELab	50.46, -54.33, 49.01
CIELCh	50, 73.175, 137.948
Yxy	18.8103, 0.2958, 0.5849
Android (android.graphics.Color)	4278225941 (0xFF008C15)
YUV	84.5740, -31.3420, -74.1714
Hunter-Lab	43.3708, -36.7450, 25.1118

Details

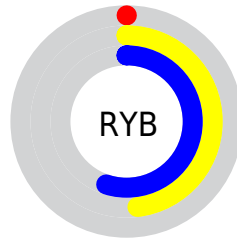
The XYZ color **9.5134, 18.8103, 3.8388** is a dark color, and the websafe version is hex **009933**. A complement of this color would be **14.1452, 6.9075, 18.0395**, and the grayscale version is **8.6161, 9.0649, 9.8716**.

A 20% lighter version of the original color is **24.6010, 41.4973, 13.7344**, and **3.4897, 6.9794, 1.1632** is the 20% darker color. If you saturate the color by 10%, you get **9.5139, 18.8111, 3.8392**, and if you desaturate by 10%, it is **9.8328, 18.9596, 4.5732**.

Distribution



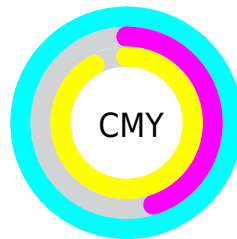
- Red (0%)
- Green (55%)
- Blue (8%)



- Red (0%)
- Yellow (48%)
- Blue (55%)



- Cyan (100%)
- Magenta (0%)
- Yellow (85%)
- Black (45%)





- Cyan (100%)
- Magenta (45%)
- Yellow (92%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 9.5134, 18.8103, 3.8388 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 9.5134, 18.8103, 3.8388 by changing the saturation by 10% instead.


 9.5134, 18.8103,
3.8388


 9.5134, 18.8103,
3.8388


181.2902,
245.3995, 146.4164


 5.1373, 11.5333,
1.5373


 24.5342, 41.4133,
13.6362


 2.3636, 6.4267,
0.2455


 35.9097, 57.5081,
21.9693


 0.8269, 3.1063,
0.0000

 50.3489, 77.3109,
33.1500

 0.0000, 1.1875,
0.0000

 68.2174, 101.2062,
47.5968


 0.0000, 0.0514,
0.0000


 89.8804, 129.5783,
65.7283


 0.0000, 0.0000,
0.0000


 115.7033,


162.8116, 87.9631


 146.0514,
201.2905, 114.7196


 9.5134, 18.8103,
3.8388


 9.5134, 18.8103,
3.8388


 9.5139, 18.8111,
3.8392

 9.8328, 18.9596,
4.5732

 10.3273, 19.1918,
5.6231

 11.0645, 19.5417,
7.0212

 12.0714, 20.0225,
8.7946

 13.3710, 20.6457,
10.9678

■ 14.9842, 21.4216,
13.5631

■ 16.9298, 22.3594,
16.6012

■ 19.2251, 23.4675,
20.1015

■ 21.8861, 24.7540,
24.0821

Harmonies

Analogous

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



13.9806, 18.8103, 1.2386



9.5134, 18.8103, 3.8388



7.5488, 18.8103, 13.3324

Triad

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



9.5134, 18.8103, 3.8388



15.1678, 18.8103, 87.8014



34.3354, 18.8103, 10.6139

Complementary

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



9.5134, 18.8103, 3.8388



14.1452, 6.9075, 18.0395

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.



34.9019, 18.8103, 29.8148



9.5134, 18.8103, 3.8388



22.4412, 18.8103, 85.0741

Square

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



9.5134, 18.8103, 3.8388



10.1827, 18.8103, 65.6117



30.1025, 18.8103, 59.6045



28.7144, 18.8103, 2.9781

Rectangle

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



9.5134, 18.8103, 3.8388



7.4533, 18.8103, 26.3992



30.1025, 18.8103, 59.6045



35.1687, 18.8103, 15.5212

Sweetspot

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



9.5139, 18.8111, 3.8392



29.6121, 39.3058, 28.9051



16.9865, 22.6790, 3.4822



6.5160, 8.9088, 6.1835



67.5393, 71.0566, 77.3807



10.1266, 10.6539, 11.6021

Same Dimension

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



9.5139, 18.8111, 3.8392



16.7338, 33.1480, 6.5632



11.2669, 19.5123, 13.0703



5.0005, 5.6197, 5.5235



8.4582, 16.7159, 3.4376



0.0595, 0.1124, 0.0405

Inverse Universe

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



14.1452, 6.9075, 18.0395



24.8910, 12.1591, 31.5569



11.3701, 5.7974, 3.4256



5.2021, 5.1163, 6.1530



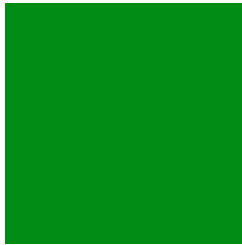
12.5739, 6.1397, 16.0581



0.0876, 0.0424, 0.1280

Previews

White Background



This preview shows how the XYZ color 9.5134, 18.8103, 3.8388 looks on a white background.

Color Contrast Check

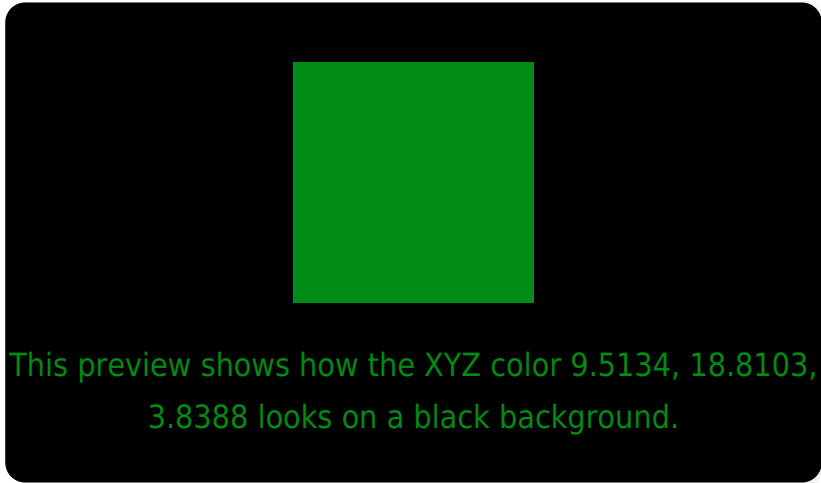
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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 9.5134, 18.8103, 3.8388

Background



This preview shows how black text looks on a background with the XYZ color 9.5134, 18.8103, 3.8388.



This preview shows how white text looks on a background with the XYZ color 9.5134, 18.8103,

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

9.5134, 18.8103, 3.8388

Protanopia

16.7944, 18.6183, 3.1605

Deuteranopia

18.9134, 18.6460, 4.2713



Tritanopia

14.5353, 18.7879, 28.0596

Trichromacy



Original Color

9.5134, 18.8103, 3.8388



Protanomaly

11.5283, 17.1976, 3.2422



Deuteranomaly

12.0496, 16.6977, 3.8842



Tritanomaly

11.4457, 18.3066, 14.2395

Monochromacy



Original Color

9.5134, 18.8103, 3.8388



Achromatopsia

8.6345, 9.0842, 9.8927



Achromatomaly

7.4424, 11.2352, 6.3338

CSS Examples

Text

The CSS property to change the color of the text to XYZ 9.5134, 18.8103, 3.8388 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, 140, 21)` looks like.

```
.text, #text, p{  
    color:rgb(0, 140, 21)  
}
```

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, 140, 21) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 140, 21) }
```

Border

The CSS property to change the border of an element to XYZ 9.5134, 18.8103, 3.8388 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, 140, 21) }
```


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

```
.border{ border-color:rgb(0, 140, 21) }
```

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

Here you see how a box with a 4 pixel rgb(0, 140, 21) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 140, 21); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 140, 21);  
box-shadow:4px 4px 4px 4px rgb(0, 140, 21)  
}
```

Background

The CSS property to change the background color of an element to XYZ 9.5134, 18.8103, 3.8388 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 140, 21) }
```

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

```
.background{ background-color: rgb(0, 140,  
21) }
```

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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