

Converting Colors

XYZ(9.6316, 18.9368, 3.1475)

Have a look what the booklet for
XYZ(9.6316, 18.9368, 3.1475)
contains.

XYZ(9.5918, 18.8663, 3.1360)	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(9.5918, 18.8663,
3.1360)**

Conversions

Conversions Part 1

Format	Color
Hex	108C00
RGB	16, 140, 0
RGB Percent	6%, 55%, 0%
CMY	0.9372, 0.4510, 1.0000
CMYK	0.89, 0.00, 1.00, 0.45
HSL	113°, 100%, 27%
HSV	113°, 100%, 55%
XYZ	9.5918, 18.8663, 3.1360
YIQ	86.9640, -28.9640, -69.8280

Conversions

Conversions Part 2

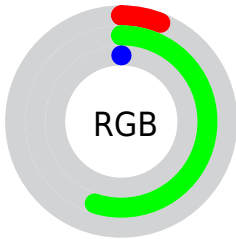
Format	Color
R _{YB}	0, 140, 124
Decimal	1084416
CIE Lab	50.53, -53.98, 53.40
CIE LCh	51, 75.933, 135.310
Yxy	18.8663, 0.3036, 0.5971
Android (android.graphics.Color)	4279274496 (0xFF108C00)
YUV	86.9640, -42.8733, -62.2354
Hunter-Lab	43.4354, -36.5938, 26.1241

Details

The XYZ color **9.5918, 18.8663, 3.1360** is a dark color, and the websafe version is hex **339900**. A complement of this color would be **13.0473, 6.1794, 25.3170**, and the grayscale version is **9.1461, 9.6224, 10.4788**.

A 20% lighter version of the original color is **24.7447, 41.6091, 12.0374**, and **3.4897, 6.9794, 1.1632** is the 20% darker color. If you saturate the color by 10%, you get **9.5920, 18.8670, 3.1361**, and if you desaturate by 10%, it is **9.9478, 19.0412, 3.5668**.

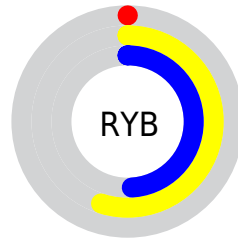
Distribution



Red (6%)

Green (55%)

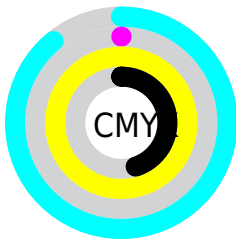
Blue (0%)



Red (0%)

Yellow (55%)

Blue (49%)

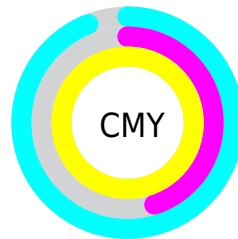


Cyan (89%)

Magenta (0%)

Yellow (100%)

Black (45%)



Cyan (94%)

Magenta (45%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 9.5918, 18.8663, 3.1360 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 9.5918, 18.8663, 3.1360 by changing the saturation by 10% instead.

■ 9.5918, 18.8663,
3.1360

■ 9.5918, 18.8663,
3.1360

181.8485,
245.7097, 138.0744

■ 5.1893, 11.5737,
1.1645

■ 24.6815, 41.5081,
11.9622

■ 2.3947, 6.4541,
0.0000

■ 36.0995, 57.6260,
19.6540

■ 0.8425, 3.1231,
0.0000

■ 50.5867, 77.4545,
30.0896

■ 0.0000, 1.1963,
0.0000

■ 68.5085, 101.3780,
43.6877


■ 0.0000, 0.0587,
0.0000


■ 90.2302, 129.7809,
60.8666


■ 0.0000, 0.0000,
0.0000


■ 116.1172,


163.0475, 82.0450


 146.5349,
201.5623, 107.6414


 9.5918, 18.8663,
3.1360


 9.5918, 18.8663,
3.1360


 9.5920, 18.8670,
3.1361

 9.9478, 19.0412,
3.5668

 10.4949, 19.3082,
4.2730

 11.2756, 19.6866,
5.3971

 12.3128, 20.1871,
6.9903

 13.6267, 20.8192,
9.0964

■ 15.2353, 21.5913,
11.7543

■ 17.1552, 22.5112,
14.9990

■ 19.4015, 23.5860,
18.8626

■ 21.9886, 24.8226,
23.3749

Harmonies

Analogous

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



14.4275, 18.8663, 0.9706



9.5918, 18.8663, 3.1360



7.3809, 18.8663, 11.8365

Triad

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



9.5918, 18.8663, 3.1360



14.5567, 18.8663, 90.6661



35.4784, 18.8663, 11.5436

Complementary

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



9.5918, 18.8663, 3.1360



13.0473, 6.1794, 25.3170

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.



35.5413, 18.8663, 32.7212



9.5918, 18.8663, 3.1360



21.9621, 18.8663, 90.3590

Square

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



9.5918, 18.8663, 3.1360



9.6638, 18.8663, 65.3343



30.0845, 18.8663, 64.6615



29.9309, 18.8663, 3.0477

Rectangle

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



9.5918, 18.8663, 3.1360



7.1593, 18.8663, 24.5536



30.0845, 18.8663, 64.6615



36.1834, 18.8663, 16.9934

Sweetspot

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



9.5922, 18.8671, 3.1364



30.0110, 39.5752, 26.0453



17.9820, 19.9084, 2.8952



6.6127, 8.9742, 5.4877



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.



9.5922, 18.8671, 3.1364



16.8367, 33.2241, 5.5255



10.0368, 19.0202, 6.5922



5.0215, 5.6338, 5.3752



8.5323, 16.7686, 2.7870



0.0626, 0.1145, 0.0188

Inverse Universe

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



13.0473, 6.1794, 25.3170



22.9160, 10.8495, 44.6293



12.5091, 6.2532, 9.4235



5.1786, 5.1005, 6.3174



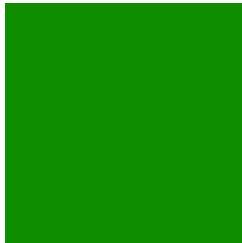
11.6029, 5.4956, 22.4949



0.0845, 0.0403, 0.1498

Previews

White Background



This preview shows how the XYZ color 9.5918, 18.8663, 3.1360 looks on a white background.

Color Contrast Check

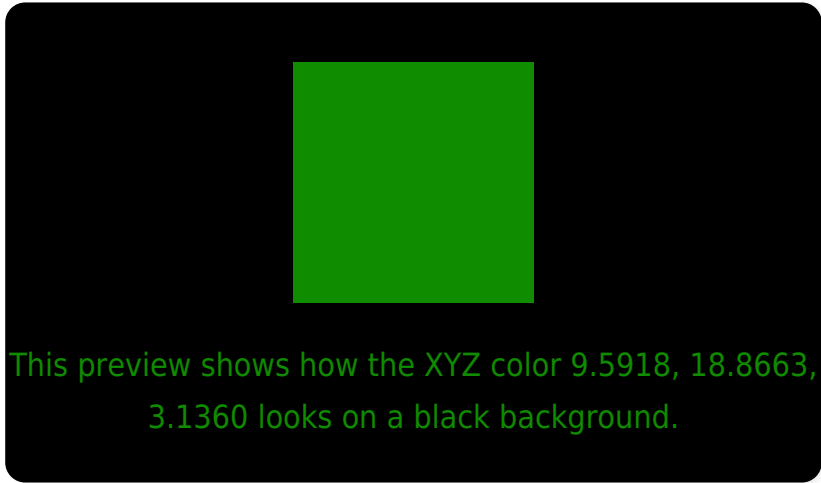
Large Text (above 18pt) WCAG AA ✓ Pass

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

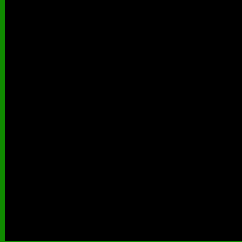
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 9.5918, 18.8663, 3.1360

Background



This preview shows how black text looks on a background with the XYZ color 9.5918, 18.8663, 3.1360.



This preview shows how white text looks on a background with the XYZ color 9.5918, 18.8663,

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

9.5918, 18.8663, 3.1360

Protanopia

16.7081, 18.5838, 2.7064

Deuteranopia

18.8293, 18.6124, 3.8284



Tritanopia

14.6538, 18.8490, 28.0652

Trichromacy



Original Color

9.5918, 18.8663, 3.1360



Protanomaly

12.0030, 17.4541, 2.7363



Deuteranomaly

12.5673, 16.9796, 3.2311



Tritanomaly

11.4093, 18.3239, 12.6084

Monochromacy



Original Color

9.5918, 18.8663, 3.1360



Achromatopsia

9.0590, 9.5307, 10.3790



Achromatomaly

7.7681, 11.5760, 5.4394

CSS Examples

Text

The CSS property to change the color of the text to XYZ 9.5918, 18.8663, 3.1360 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(16, 140, 0)` looks like.

```
.text, #text, p{  
    color:rgb(16, 140, 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(16, 140, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(16, 140, 0) }
```

Border

The CSS property to change the border of an element to XYZ 9.5918, 18.8663, 3.1360 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(16, 140, 0) }
```


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

```
.border{ border-color:rgb(16, 140, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(16, 140, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(16, 140, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(16, 140, 0);  
box-shadow:4px 4px 4px 4px rgb(16, 140, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 9.5918, 18.8663, 3.1360 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(16, 140, 0) }
```

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

```
.background{ background-color: rgb(16, 140,  
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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