

Converting Colors

XYZ(9.1370, 18.5805, 0.5935)

Have a look what the booklet for
XYZ(9.1370, 18.5805, 0.5935)
contains.

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Color

**XYZ(9.6873, 18.9156,
3.1405)**

Conversions

Conversions Part 1

Format	Color
Hex	158C00
RGB	21, 140, 0
RGB Percent	8%, 55%, 0%
CMY	0.9177, 0.4510, 1.0000
CMYK	0.85, 0.00, 1.00, 0.45
HSL	111°, 100%, 27%
HSV	111°, 100%, 55%
XYZ	9.6873, 18.9156, 3.1405
YIQ	88.4590, -25.9840, -68.7680

Conversions

Conversions Part 2

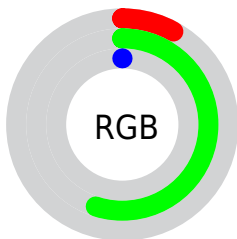
Format	Color
RYB	0, 140, 119
Decimal	1412096
CIELab	50.59, -53.46, 53.47
CIELCh	51, 75.614, 134.995
Yxy	18.9156, 0.3052, 0.5959
Android (android.graphics.Color)	4279602176 (0xFF158C00)
YUV	88.4590, -43.6103, -59.1615
Hunter-Lab	43.4921, -36.3525, 26.1632

Details

The XYZ color **9.6873, 18.9156, 3.1405** is a dark color, and the websafe version is hex **339900**. A complement of this color would be **12.3439, 5.8168, 25.2842**, and the grayscale version is **9.4737, 9.9670, 10.8541**.

A 20% lighter version of the original color is **24.9419, 41.7108, 12.0466**, and **3.4897, 6.9794, 1.1632** is the 20% darker color. If you saturate the color by 10%, you get **9.6875, 18.9163, 3.1406**, and if you desaturate by 10%, it is **10.0818, 19.1104, 3.5731**.

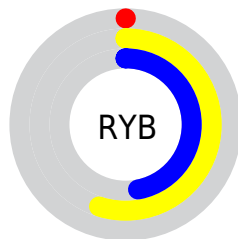
Distribution



Red (8%)

Green (55%)

Blue (0%)



Red (0%)

Yellow (55%)

Blue (47%)

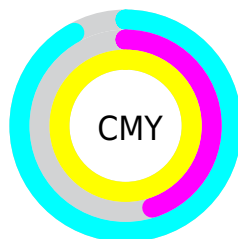


Cyan (85%)

Magenta (0%)

Yellow (100%)

Black (45%)



Cyan (92%)

Magenta (45%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 9.6873, 18.9156, 3.1405 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 9.6873, 18.9156, 3.1405 by changing the saturation by 10% instead.

■ 9.6873, 18.9156,
3.1405

■ 9.6873, 18.9156,
3.1405

182.5262,
245.9824, 138.1305

■ 5.2528, 11.6093,
1.1668

■ 24.8607, 41.5914,
11.9732

■ 2.4326, 6.4782,
0.0000

■ 36.3303, 57.7298,
19.6693

■ 0.8614, 3.1380,
0.0000

■ 50.8757, 77.5809,
30.1100

■ 0.0000, 1.2042,
0.0000

■ 68.8622, 101.5292,
43.7137


■ 0.0000, 0.0651,
0.0000


■ 90.6551, 129.9592,
60.8991


■ 0.0000, 0.0000,
0.0000


■ 116.6198,


163.2551, 82.0847


 147.1217,
201.8014, 107.6889


 9.6873, 18.9156,
3.1405


 9.6873, 18.9156,
3.1405


 9.6875, 18.9163,
3.1406

 10.0818, 19.1104,
3.5731

 10.6616, 19.3942,
4.2808

 11.4670, 19.7853,
5.4061

 12.5187, 20.2933,
7.0000

 13.8353, 20.9268,
9.1063

■ 15.4335, 21.6935,
11.7638

■ 17.3283, 22.6005,
15.0073

■ 19.5340, 23.6544,
18.8690

■ 22.0638, 24.8614,
23.3788

Harmonies

Analogous

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



14.5472, 18.9156, 0.9917



9.6873, 18.9156, 3.1405



7.4501, 18.9156, 11.7543

Triad

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



9.6873, 18.9156, 3.1405



14.5450, 18.9156, 90.2106



35.4933, 18.9156, 11.7593

Complementary

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



9.6873, 18.9156, 3.1405



12.3439, 5.8168, 25.2842

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.



35.4922, 18.9156, 33.0308



9.6873, 18.9156, 3.1405



21.9114, 18.9156, 90.2158

Square

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



9.6873, 18.9156, 3.1405



9.6861, 18.9156, 64.8468



30.0128, 18.9156, 64.8583



30.0154, 18.9156, 3.1420

Rectangle

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



9.6873, 18.9156, 3.1405



7.2134, 18.9156, 24.3459



30.0128, 18.9156, 64.8583



36.1741, 18.9156, 17.2522

Sweetspot

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



9.6877, 18.9164, 3.1409



30.3195, 39.7342, 26.0597



17.4130, 18.7703, 2.7056



6.6881, 9.0131, 5.4912



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.



9.6877, 18.9164, 3.1409



16.9898, 33.3030, 5.5327



9.9331, 18.9789, 6.0463



5.0372, 5.6419, 5.3759



8.6189, 16.8132, 2.7910



0.0649, 0.1156, 0.0189

Inverse Universe

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



12.3439, 5.8168, 25.2842



21.6546, 10.1993, 44.5703



12.7043, 6.3313, 10.4512



5.1615, 5.0917, 6.3166



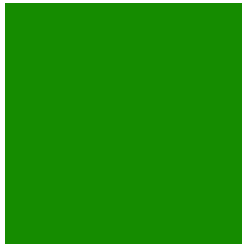
10.9803, 5.1747, 22.4658



0.0822, 0.0392, 0.1497

Previews

White Background



This preview shows how the XYZ color 9.6873, 18.9156, 3.1405 looks on a white background.

Color Contrast Check

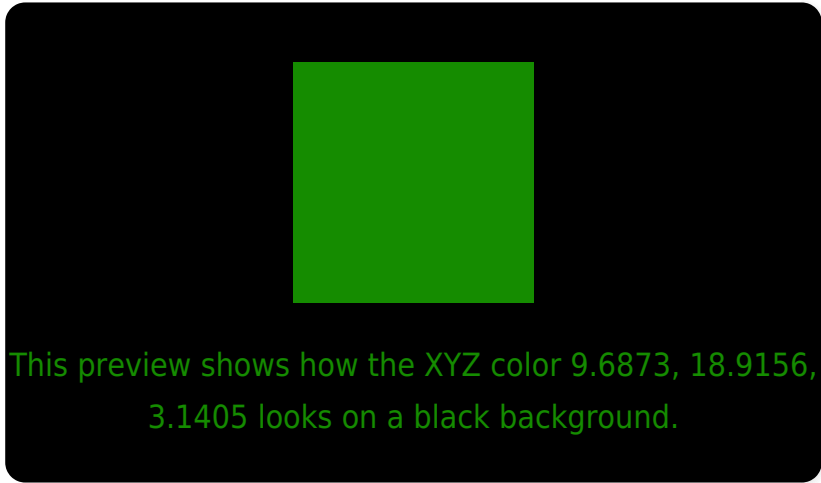
Large Text (above 18pt) WCAG AA ✓ Pass

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

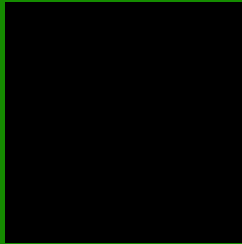
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 9.6873, 18.9156, 3.1405

Background



This preview shows how black text looks on a background with the XYZ color 9.6873, 18.9156, 3.1405.



This preview shows how white text looks on a background with the XYZ color 9.6873, 18.9156,

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

9.6873, 18.9156, 3.1405

Protanopia

16.7081, 18.5838, 2.7064

Deuteranopia

19.0142, 18.7077, 3.8371



Tritanopia

14.7148, 18.8805, 28.0680

Trichromacy



Original Color

9.6873, 18.9156, 3.1405



Protanomaly

12.2055, 17.5584, 2.7458



Deuteranomaly

12.9094, 17.1560, 3.2471



Tritanomaly

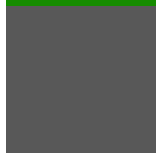
11.4973, 18.3692, 12.6125

Monochromacy



Original Color

9.6873, 18.9156, 3.1405



Achromatopsia

9.2757, 9.7587, 10.6273



Achromatomaly

8.0859, 11.8909, 5.6104

CSS Examples

Text

The CSS property to change the color of the text to XYZ 9.6873, 18.9156, 3.1405 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(21, 140, 0)` looks like.

```
.text, #text, p{  
    color:rgb(21, 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(21, 140, 0) colored shadow looks like.

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

Border

The CSS property to change the border of an element to XYZ 9.6873, 18.9156, 3.1405 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(21, 140, 0) }
```


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

```
.border{ border-color:rgb(21, 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(21, 140, 0) colored shadow looks like.

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

Background

The CSS property to change the background color of an element to XYZ 9.6873, 18.9156, 3.1405 is called "background". The background property can be set on classes, ids or directly on the HTML element.

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

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

```
.background{ background-color: rgb(21, 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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