

Converting Colors

XYZ(9.7069, 19.3083, 3.5608)

Have a look what the booklet for
XYZ(9.7069, 19.3083, 3.5608)
contains.

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Color

**XYZ(9.7394, 19.3725,
3.5738)**

Conversions

Conversions Part 1

Format	Color
Hex	008E0C
RGB	0, 142, 12
RGB Percent	0%, 56%, 5%
CMY	1.0000, 0.4431, 0.9529
CMYK	1.00, 0.00, 0.92, 0.44
HSL	125°, 100%, 28%
HSV	125°, 100%, 56%
XYZ	9.7394, 19.3725, 3.5738
YIQ	84.7220, -42.9020, -70.5340

Conversions

Conversions Part 2

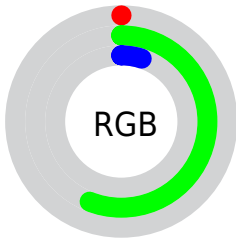
Format	Color
RYB	0, 131, 142
Decimal	36364
CIELab	51.12, -55.34, 51.69
CIELCh	51, 75.723, 136.952
Yxy	19.3725, 0.2980, 0.5927
Android (android.graphics.Color)	4278226444 (0xFF008E0C)
YUV	84.7220, -35.8519, -74.3012
Hunter-Lab	44.0142, -37.5266, 25.9958

Details

The XYZ color **9.7394, 19.3725, 3.5738** is a dark color, and the websafe version is hex **009900**. A complement of this color would be **15.1850, 7.3628, 21.7394**, and the grayscale version is **8.6564, 9.1072, 9.9177**.

A 20% lighter version of the original color is **24.9737, 42.3788, 12.9946**, and **3.6562, 7.3123, 1.2187** is the 20% darker color. If you saturate the color by 10%, you get **9.7397, 19.3732, 3.5740**, and if you desaturate by 10%, it is **10.0332, 19.5119, 4.1577**.

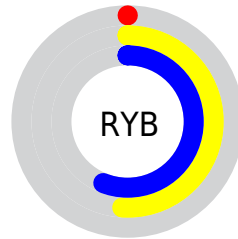
Distribution



Red (0%)

Green (56%)

Blue (5%)



Red (0%)

Yellow (51%)

Blue (56%)

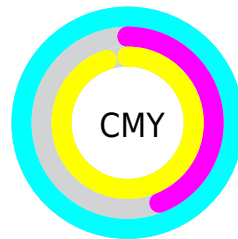


Cyan (100%)

Magenta (0%)

Yellow (92%)

Black (44%)



Cyan (100%)

Magenta (44%)

Yellow (95%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 9.7394, 19.3725, 3.5738 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 9.7394, 19.3725, 3.5738 by changing the saturation by 10% instead.

■ 9.7394, 19.3725,
3.5738

■ 9.7394, 19.3725,
3.5738

182.8946,
248.4975, 143.3633

■ 5.2875, 11.9397,
1.3946

■ 24.9583, 42.3626,
13.0142

■ 2.4534, 6.7027,
0.1375

■ 36.4560, 58.6887,
21.1125

■ 0.8718, 3.2769,
0.0000

■ 51.0330, 78.7481,
32.0209

■ 0.0000, 1.2779,
0.0000

■ 69.0546, 102.9251,
46.1580


■ 0.0000, 0.1240,
0.0000


■ 90.8862, 131.6042,
63.9422


■ 0.0000, 0.0000,
0.0000


■ 116.8932,


165.1697, 85.7921


 147.4409,
204.0060, 112.1263


 9.7394, 19.3725,
3.5738


 9.7394, 19.3725,
3.5738


 9.7397, 19.3732,
3.5740

 10.0332, 19.5119,
4.1577

 10.5135, 19.7393,
5.0905

 11.2510, 20.0909,
6.4180

 12.2754, 20.5812,
8.1775

 13.6123, 21.2225,
10.4018

■ 15.2844, 22.0261,
13.1208

■ 17.3123, 23.0018,
16.3616

■ 19.7148, 24.1590,
20.1497

■ 22.5097, 25.5063,
24.5086

Harmonies

Analogous

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



14.5110, 19.3725, 1.1043



9.7394, 19.3725, 3.5738



7.6143, 19.3725, 13.0582

Triad

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



9.7394, 19.3725, 3.5738



15.3380, 19.3725, 92.6072



35.9941, 19.3725, 11.1772

Complementary

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



9.7394, 19.3725, 3.5738



15.1850, 7.3628, 21.7394

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.



36.3942, 19.3725, 31.8905



9.7394, 19.3725, 3.5738



22.9584, 19.3725, 90.6633

Square

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



9.7394, 19.3725, 3.5738



10.2021, 19.3725, 68.1282



31.1284, 19.3725, 63.8619



30.1504, 19.3725, 2.9972

Rectangle

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



9.7394, 19.3725, 3.5738



7.4671, 19.3725, 26.5126



31.1284, 19.3725, 63.8619



36.8163, 19.3725, 16.4680

Sweetspot

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



9.7399, 19.3733, 3.5742



30.2839, 40.4430, 28.4644



18.9053, 24.1059, 3.6567



6.4559, 8.8848, 5.8670



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.



9.7399, 19.3733, 3.5742



17.1475, 34.1510, 6.1597



11.2285, 19.9688, 11.4133



5.3603, 6.0363, 5.8629



8.7478, 17.3950, 3.2262



0.0866, 0.1675, 0.0463

Inverse Universe

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



15.1850, 7.3628, 21.7394



26.7467, 12.9711, 38.1784



11.9497, 6.0687, 4.7026



5.6069, 5.5033, 6.6938



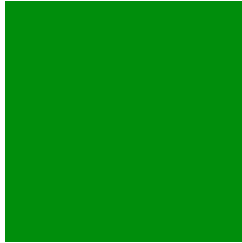
13.6365, 6.6116, 19.5351



0.1341, 0.0647, 0.2065

Previews

White Background



This preview shows how the XYZ color 9.7394, 19.3725, 3.5738 looks on a white background.

Color Contrast Check

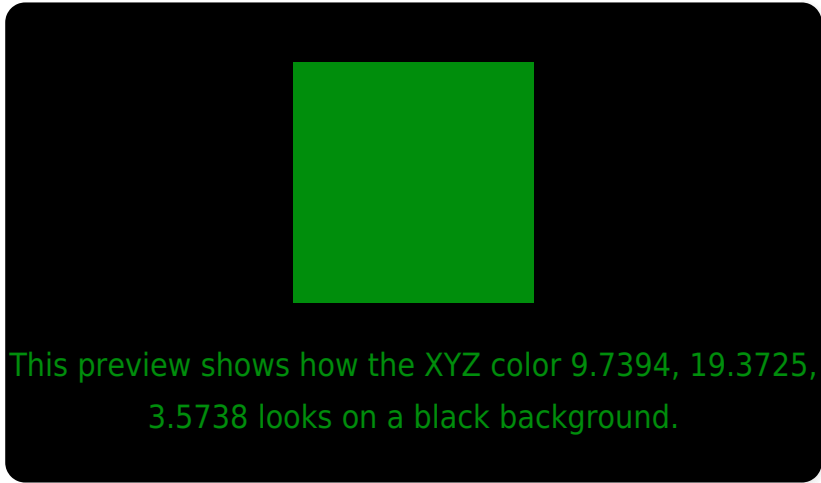
Large Text (above 18pt) WCAG AA ✓ Pass

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

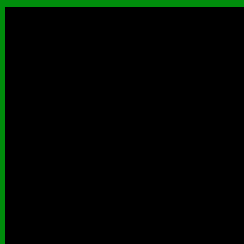
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 9.7394, 19.3725, 3.5738

Background



This preview shows how black text looks on a background with the XYZ color 9.7394, 19.3725, 3.5738.



This preview shows how white text looks on a background with the XYZ color 9.7394, 19.3725,

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

9.7394, 19.3725, 3.5738

Protanopia

17.2761, 19.2374, 2.8027

Deuteranopia

19.3541, 19.0467, 4.0951



Tritanopia

15.0128, 19.4155, 28.9429

Trichromacy



Original Color

9.7394, 19.3725, 3.5738



Protanomaly

11.8027, 17.7355, 2.9161



Deuteranomaly

12.4388, 17.2788, 3.5992



Tritanomaly

11.6690, 18.8466, 13.8492

Monochromacy



Original Color

9.7394, 19.3725, 3.5738



Achromatopsia

8.6345, 9.0842, 9.8927



Achromatomaly

7.4391, 11.3978, 5.8109

CSS Examples

Text

The CSS property to change the color of the text to XYZ 9.7394, 19.3725, 3.5738 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, 142, 12)` looks like.

```
.text, #text, p{  
    color:rgb(0, 142, 12)  
}
```

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, 142, 12) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 142, 12) }
```

Border

The CSS property to change the border of an element to XYZ 9.7394, 19.3725, 3.5738 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, 142, 12) }
```


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

```
.border{ border-color:rgb(0, 142, 12) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 142, 12)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 142, 12); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 142, 12);  
box-shadow:4px 4px 4px 4px rgb(0, 142, 12)  
}
```

Background

The CSS property to change the background color of an element to XYZ 9.7394, 19.3725, 3.5738 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 142, 12) }
```

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

```
.background{ background-color: rgb(0, 142,  
12) }
```

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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