

Converting Colors

XYZ(9.8024, 19.5892, 3.3149)

Have a look what the booklet for
XYZ(9.8024, 19.5892, 3.3149)
contains.

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Color

**XYZ(9.8334, 19.6493,
3.3319)**

Conversions

Conversions Part 1

Format	Color
Hex	008F02
RGB	0, 143, 2
RGB Percent	0%, 56%, 1%
CMY	1.0000, 0.4392, 0.9921
CMYK	1.00, 0.00, 0.99, 0.44
HSL	121°, 100%, 28%
HSV	121°, 100%, 56%
XYZ	9.8334, 19.6493, 3.3319
YIQ	84.1690, -39.9670, -74.1670

Conversions

Conversions Part 2

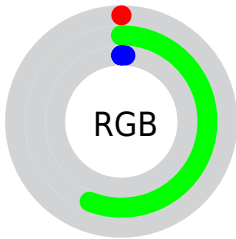
Format	Color
RYB	0, 141, 143
Decimal	36610
CIELab	51.44, -55.96, 53.72
CIELCh	51, 77.568, 136.171
Yxy	19.6493, 0.2997, 0.5988
Android (android.graphics.Color)	4278226690 (0xFF008F02)
YUV	84.1690, -40.5093, -73.8162
Hunter-Lab	44.3275, -37.9756, 26.5727

Details

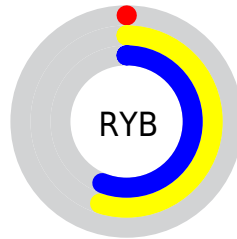
The XYZ color **9.8334, 19.6493, 3.3319** is a dark color, and the websafe version is hex **009900**. A complement of this color would be **16.1351, 7.7627, 25.8434**, and the grayscale version is **8.5496, 8.9948, 9.7953**.

A 20% lighter version of the original color is **25.0752, 42.7840, 12.4054**, and **3.7411, 7.4822, 1.2470** is the 20% darker color. If you saturate the color by 10%, you get **9.8339, 19.6501, 3.3323**, and if you desaturate by 10%, it is **10.1030, 19.7792, 3.7799**.

Distribution



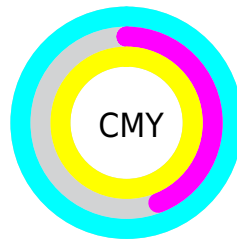
- Red (0%)
- Green (56%)
- Blue (1%)



- Red (0%)
- Yellow (55%)
- Blue (56%)



- Cyan (100%)
- Magenta (0%)
- Yellow (99%)
- Black (44%)



- Cyan (100%)
- Magenta (44%)
- Yellow (99%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 9.8334, 19.6493, 3.3319 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 9.8334, 19.6493, 3.3319 by changing the saturation by 10% instead.

■ 9.8334, 19.6493,
3.3319

■ 9.8334, 19.6493,
3.3319

183.5574,
250.0102, 140.4817

■ 5.3501, 12.1404,
1.2665

■ 25.1342, 42.8284,
12.4370

■ 2.4909, 6.8394,
0.0341

■ 36.6824, 59.2674,
20.3138

■ 0.8907, 3.3618,
0.0000

■ 51.3162, 79.4519,
30.9648

■ 0.0000, 1.3234,
0.0000

■ 69.4010, 103.7662,
44.8085


■ 0.0000, 0.1592,
0.0000


■ 91.3022, 132.5948,
62.2635


■ 0.0000, 0.0000,
0.0000


■ 117.3851,


166.3221, 83.7483


 148.0150,
205.3324, 109.6816


 9.8334, 19.6493,
3.3319


 9.8334, 19.6493,
3.3319


 9.8339, 19.6501,
3.3323

 10.1030, 19.7792,
3.7799

 10.5554, 19.9960,
4.5457

 11.2754, 20.3414,
5.7455

 12.2958, 20.8312,
7.4305

 13.6446, 21.4789,
9.6448

■ 15.3466, 22.2965,
12.4276

■ 17.4242, 23.2947,
15.8144

■ 19.8980, 24.4835,
19.8378

■ 22.7870, 25.8720,
24.5281

Harmonies

Analogous

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



14.8139, 19.6493, 0.9922



9.8334, 19.6493, 3.3319



7.5953, 19.6493, 12.7053

Triad

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



9.8334, 19.6493, 3.3319



15.3255, 19.6493, 95.7204



37.0300, 19.6493, 11.5480

Complementary

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



9.8334, 19.6493, 3.3319



16.1351, 7.7627, 25.8434

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.



37.2802, 19.6493, 33.3482



9.8334, 19.6493, 3.3319



23.1571, 19.6493, 94.4958

Square

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



9.8334, 19.6493, 3.3319



10.1178, 19.6493, 69.5353



31.6714, 19.6493, 66.8552



31.0609, 19.6493, 2.9864

Rectangle

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



9.8334, 19.6493, 3.3319



7.4065, 19.6493, 26.3355



31.6714, 19.6493, 66.8552



37.8326, 19.6493, 17.1141

Sweetspot

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



9.8339, 19.6501, 3.3323



30.9462, 41.5922, 27.9021



21.1510, 25.4856, 3.8044



6.7593, 9.3759, 5.8489



69.3244, 72.9347, 79.4259



10.7221, 11.2805, 12.2844

Same Dimension

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



9.8339, 19.6501, 3.3323



17.6049, 35.1868, 5.9391



10.9764, 20.1071, 9.3485



5.3458, 6.0305, 5.7867



8.6953, 17.3740, 2.9498



0.0836, 0.1663, 0.0308

Inverse Universe

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



16.1351, 7.7627, 25.8434



28.8887, 13.8989, 46.2499



12.4816, 6.3013, 6.6044



5.6230, 5.5097, 6.7789



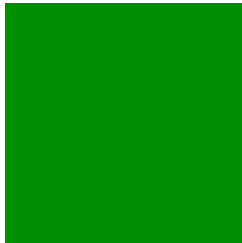
14.2666, 6.8637, 22.8532



0.1371, 0.0659, 0.2221

Previews

White Background



This preview shows how the XYZ color 9.8334, 19.6493, 3.3319 looks on a white background.

Color Contrast Check

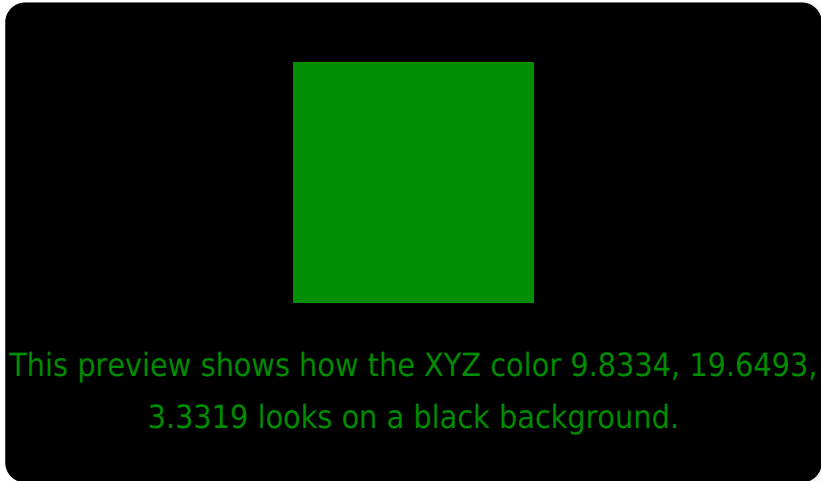
Large Text (above 18pt) WCAG AA ✓ Pass

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

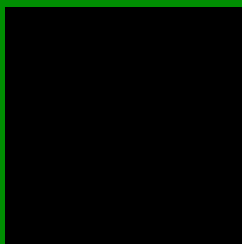
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 9.8334, 19.6493, 3.3319

Background



This preview shows how black text looks on a background with the XYZ color 9.8334, 19.6493, 3.3319.



This preview shows how white text looks on a background with the XYZ color 9.8334, 19.6493,

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

9.8334, 19.6493, 3.3319

Protanopia

17.4408, 19.3223, 2.8104

Deuteranopia

19.6296, 19.3620, 3.9990



Tritanopia

15.2850, 19.7493, 29.3920

Trichromacy



Original Color

9.8334, 19.6493, 3.3319



Protanomaly

12.0126, 18.0422, 2.8781



Deuteranomaly

12.5169, 17.5136, 3.3826



Tritanomaly

11.6768, 19.0761, 13.1918

Monochromacy



Original Color

9.8334, 19.6493, 3.3319



Achromatopsia

8.4267, 8.8656, 9.6546



Achromatomaly

7.1856, 11.1264, 5.2589

CSS Examples

Text

The CSS property to change the color of the text to XYZ 9.8334, 19.6493, 3.3319 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, 143, 2)` looks like.

```
.text, #text, p{  
    color:rgb(0, 143, 2)  
}
```

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, 143, 2) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 143, 2) }
```

Border

The CSS property to change the border of an element to XYZ 9.8334, 19.6493, 3.3319 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, 143, 2) }
```


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

```
.border{ border-color:rgb(0, 143, 2) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 143, 2)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 143, 2); -webkit-box-shadow:4px  
4px 4px 4px rgb(0, 143, 2); box-shadow:4px  
4px 4px 4px rgb(0, 143, 2) }
```

Background

The CSS property to change the background color of an element to XYZ 9.8334, 19.6493, 3.3319 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 143, 2) }
```

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

```
.background{ background-color: rgb(0, 143,  
2) }
```

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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