

Converting Colors

XYZ(9.8322, 19.6008, 3.4736)

Have a look what the booklet for
XYZ(9.8322, 19.6008, 3.4736)
contains.

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Color

**XYZ(9.8608, 19.6603,
3.4761)**

Conversions

Conversions Part 1

Format	Color
Hex	008F07
RGB	0, 143, 7
RGB Percent	0%, 56%, 3%
CMY	1.0000, 0.4392, 0.9725
CMYK	1.00, 0.00, 0.95, 0.44
HSL	123°, 100%, 28%
HSV	123°, 100%, 56%
XYZ	9.8608, 19.6603, 3.4761
YIQ	84.7390, -41.5720, -72.6120

Conversions

Conversions Part 2

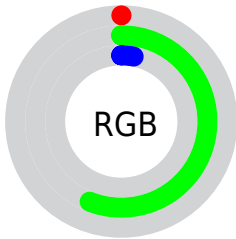
Format	Color
RYB	0, 136, 143
Decimal	36615
CIELab	51.45, -55.79, 52.85
CIELCh	51, 76.850, 136.553
Yxy	19.6603, 0.2988, 0.5958
Android (android.graphics.Color)	4278226695 (0xFF008F07)
YUV	84.7390, -38.3253, -74.3161
Hunter-Lab	44.3399, -37.8981, 26.3898

Details

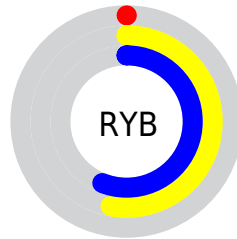
The XYZ color **9.8608, 19.6603, 3.4761** is a dark color, and the websafe version is hex **009900**. A complement of this color would be **15.7716, 7.6173, 23.9288**, and the grayscale version is **8.6644, 9.1156, 9.9269**.

A 20% lighter version of the original color is **25.1373, 42.8088, 12.7324**, and **3.7411, 7.4822, 1.2470** is the 20% darker color. If you saturate the color by 10%, you get **9.8613, 19.6611, 3.4765**, and if you desaturate by 10%, it is **10.1404, 19.7943, 3.9769**.

Distribution



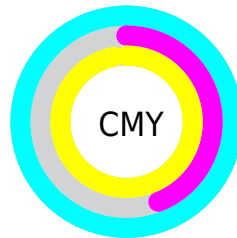
- Red (0%)
- Green (56%)
- Blue (3%)



- Red (0%)
- Yellow (53%)
- Blue (56%)



- Cyan (100%)
- Magenta (0%)
- Yellow (95%)
- Black (44%)



- Cyan (100%)
- Magenta (44%)
- Yellow (97%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 9.8608, 19.6603, 3.4761 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 9.8608, 19.6603, 3.4761 by changing the saturation by 10% instead.

■ 9.8608, 19.6603,
3.4761

■ 9.8608, 19.6603,
3.4761

183.7501,
250.0701, 142.2110

■ 5.3683, 12.1484,
1.3426

■ 25.1854, 42.8469,
12.7822

■ 2.5019, 6.8448,
0.0963

■ 36.7482, 59.2904,
20.7919

■ 0.8962, 3.3652,
0.0000

■ 51.3986, 79.4798,
31.5974

■ 0.0000, 1.3253,
0.0000

■ 69.5018, 103.7996,
45.6173


■ 0.0000, 0.1606,
0.0000


■ 91.4232, 132.6341,
63.2700


■ 0.0000, 0.0000,
0.0000


■ 117.5281,


166.3678, 84.9742


 148.1820,
205.3850, 111.1483


 9.8608, 19.6603,
3.4761


 9.8608, 19.6603,
3.4761


 9.8613, 19.6611,
3.4765

 10.1404, 19.7943,
3.9769

 10.6101, 20.0179,
4.8338

 11.3445, 20.3690,
6.1093

 12.3750, 20.8629,
7.8473

 13.7286, 21.5125,
10.0865

■ 15.4291, 22.3295,
12.8615

■ 17.4982, 23.3243,
16.2036

■ 19.9558, 24.5066,
20.1419

■ 22.8204, 25.8854,
24.7034

Harmonies

Analogous

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



14.7747, 19.6603, 1.0544



9.8608, 19.6603, 3.4761



7.6621, 19.6603, 12.9770

Triad

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



9.8608, 19.6603, 3.4761



15.4482, 19.6603, 94.8924



36.7935, 19.6603, 11.4493

Complementary

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



9.8608, 19.6603, 3.4761



15.7716, 7.6173, 23.9288

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.



37.1211, 19.6603, 32.8694



9.8608, 19.6603, 3.4761



23.2343, 19.6603, 93.2945

Square

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



9.8608, 19.6603, 3.4761



10.2364, 19.6603, 69.3635



31.6414, 19.6603, 65.8616



30.8412, 19.6603, 3.0140

Rectangle

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



9.8608, 19.6603, 3.4761



7.4926, 19.6603, 26.6246



31.6414, 19.6603, 65.8616



37.6122, 19.6603, 16.9194

Sweetspot

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



9.8613, 19.6611, 3.4765



31.0799, 41.6457, 28.6061



20.3432, 25.0692, 3.7666



6.7915, 9.3888, 6.0188



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.



9.8613, 19.6611, 3.4765



17.6405, 35.2010, 6.1268



11.1367, 20.1713, 10.1929



5.3529, 6.0334, 5.8244



8.7212, 17.3844, 3.0861



0.0851, 0.1669, 0.0385

Inverse Universe

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



15.7716, 7.6173, 23.9288



28.2244, 13.6332, 42.7516



12.3334, 6.2420, 5.8233



5.6150, 5.5065, 6.7366



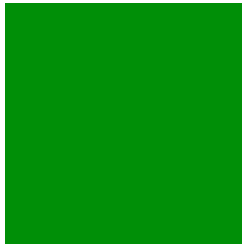
13.9467, 6.7357, 21.1686



0.1356, 0.0653, 0.2144

Previews

White Background



This preview shows how the XYZ color 9.8608, 19.6603, 3.4761 looks on a white background.

Color Contrast Check

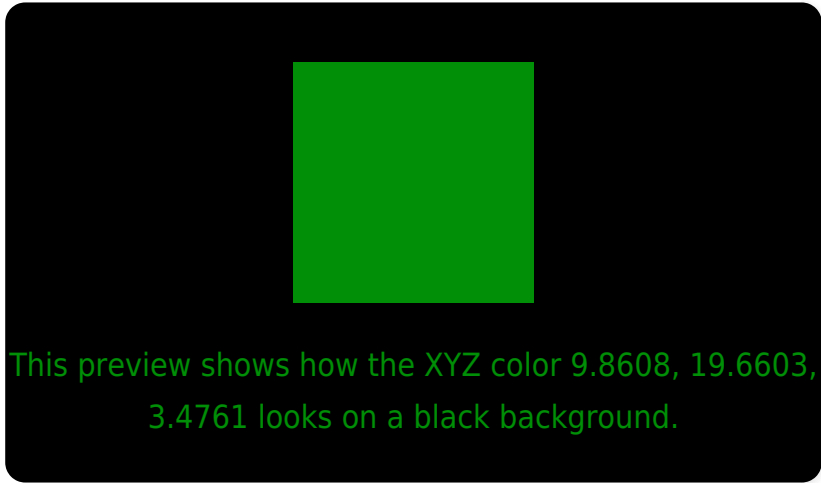
Large Text (above 18pt) WCAG AA ✓ Pass

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

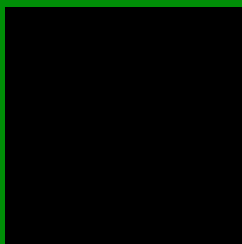
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 9.8608, 19.6603, 3.4761

Background



This preview shows how black text looks on a background with the XYZ color 9.8608, 19.6603, 3.4761.



This preview shows how white text looks on a background with the XYZ color 9.8608, 19.6603, 3.4761.

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

9.8608, 19.6603, 3.4761

Protanopia

17.4408, 19.3223, 2.8104

Deuteranopia

19.6430, 19.3674, 4.0695



Tritanopia

15.2850, 19.7493, 29.3920

Trichromacy



Original Color

9.8608, 19.6603, 3.4761



Protanomaly

12.0236, 18.0465, 2.9358



Deuteranomaly

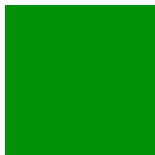
12.5453, 17.5250, 3.5321



Tritanomaly

11.7654, 19.1115, 13.6585

Monochromacy



Original Color

9.8608, 19.6603, 3.4761



Achromatopsia

8.6345, 9.0842, 9.8927



Achromatomaly

7.4139, 11.3877, 5.6782

CSS Examples

Text

The CSS property to change the color of the text to XYZ 9.8608, 19.6603, 3.4761 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, 7)` looks like.

```
.text, #text, p{  
    color:rgb(0, 143, 7)  
}
```

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, 7) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 143, 7) }
```

Border

The CSS property to change the border of an element to XYZ 9.8608, 19.6603, 3.4761 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, 7) }
```


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

```
.border{ border-color:rgb(0, 143, 7) }
```

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, 7)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 143, 7); -webkit-box-shadow:4px  
4px 4px 4px rgb(0, 143, 7); box-shadow:4px  
4px 4px 4px rgb(0, 143, 7) }
```

Background

The CSS property to change the background color of an element to XYZ 9.8608, 19.6603, 3.4761 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, 7) }
```

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

```
.background{ background-color: rgb(0, 143,  
7) }
```

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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