

Converting Colors

XYZ(9.7954, 19.5865, 3.2782)

Have a look what the booklet for
XYZ(9.7954, 19.5865, 3.2782)
contains.

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Color

**XYZ(9.8225, 19.6449,
3.2742)**

Conversions

Conversions Part 1

Format	Color
Hex	008F00
RGB	0, 143, 0
RGB Percent	0%, 56%, 0%
CMY	1.0000, 0.4392, 1.0000
CMYK	1.00, 0.00, 1.00, 0.44
HSL	120°, 100%, 28%
HSV	120°, 100%, 56%
XYZ	9.8225, 19.6449, 3.2742
YIQ	83.9410, -39.3250, -74.7890

Conversions

Conversions Part 2

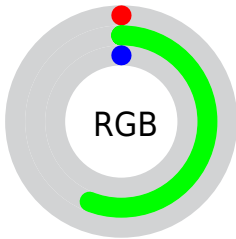
Format	Color
RYB	0, 143, 143
Decimal	36608
CIELab	51.43, -56.02, 54.07
CIELCh	51, 77.860, 136.016
Yxy	19.6449, 0.3000, 0.6000
Android (android.graphics.Color)	4278226688 (0xFF008F00)
YUV	83.9410, -41.3829, -73.6163
Hunter-Lab	44.3226, -38.0064, 26.6459

Details

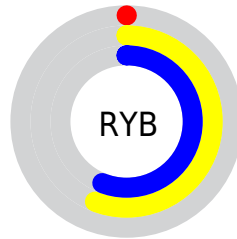
The XYZ color **9.8225, 19.6449, 3.2742** is a dark color, and the websafe version is hex **009900**. A complement of this color would be **16.2857, 7.8230, 26.6360**, and the grayscale version is **8.5041, 8.9470, 9.7433**.

A 20% lighter version of the original color is **25.1377, 42.8197, 12.2503**, and **3.7411, 7.4822, 1.2470** is the 20% darker color. If you saturate the color by 10%, you get **9.8229, 19.6457, 3.2745**, and if you desaturate by 10%, it is **10.0901, 19.7740, 3.7116**.

Distribution



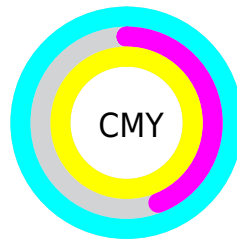
- Red (0%)
- Green (56%)
- Blue (0%)



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



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



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 9.8225, 19.6449, 3.2742 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 9.8225, 19.6449, 3.2742 by changing the saturation by 10% instead.

■ 9.8225, 19.6449,
3.2742

■ 9.8225, 19.6449,
3.2742

183.4807,
249.9862, 139.7798

■ 5.3428, 12.1372,
1.2363

■ 25.1138, 42.8210,
12.2979

■ 2.4866, 6.8372,
0.0087

■ 36.6561, 59.2582,
20.1207

■ 0.8885, 3.3605,
0.0000

■ 51.2834, 79.4407,
30.7089

■ 0.0000, 1.3227,
0.0000

■ 69.3609, 103.7529,
44.4811


■ 0.0000, 0.1587,
0.0000


■ 91.2540, 132.5791,
61.8557


■ 0.0000, 0.0000,
0.0000


■ 117.3281,


166.3038, 83.2513


 147.9486,
205.3114, 109.0865

 9.8225, 19.6449,
3.2742


 9.8225, 19.6449,
3.2742


 9.8229, 19.6457,
3.2745

 10.0901, 19.7740,
3.7116

 10.5354, 19.9879,
4.4402

 11.2495, 20.3310,
5.6083

 12.2657, 20.8191,
7.2705

 13.6124, 21.4660,
9.4733

■ 15.3148, 22.2837,
12.2579

■ 17.3956, 23.2833,
15.6615

■ 19.8758, 24.4746,
19.7182

■ 22.7746, 25.8671,
24.4596

Harmonies

Analogous

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



14.8303, 19.6449, 0.9676



9.8225, 19.6449, 3.2742



7.5683, 19.6449, 12.5952

Triad

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



9.8225, 19.6449, 3.2742



15.2755, 19.6449, 96.0579



37.1268, 19.6449, 11.5892

Complementary

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



9.8225, 19.6449, 3.2742



16.2857, 7.8230, 26.6360

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.



37.3450, 19.6449, 33.5458



9.8225, 19.6449, 3.2742



23.1254, 19.6449, 94.9884

Square

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



9.8225, 19.6449, 3.2742



10.0697, 19.6449, 69.6036



31.6833, 19.6449, 67.2641



31.1510, 19.6449, 2.9754

Rectangle

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



9.8225, 19.6449, 3.2742



7.3717, 19.6449, 26.2173



31.6833, 19.6449, 67.2641



37.9227, 19.6449, 17.1948

Sweetspot

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



9.8230, 19.6457, 3.2746



30.8933, 41.5710, 27.6235



21.1510, 25.4855, 3.8046



6.7465, 9.3708, 5.7818



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.



9.8230, 19.6457, 3.2746



17.5906, 35.1811, 5.8638



10.9764, 20.1071, 9.3489



5.3429, 6.0294, 5.7716



8.6850, 17.3699, 2.8952



0.0830, 0.1661, 0.0277

Inverse Universe

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



16.2857, 7.8230, 26.6360



29.1639, 14.0090, 47.6990



12.4817, 6.3014, 6.6047



5.6263, 5.5110, 6.7959



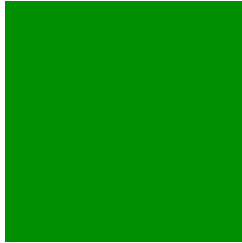
14.3990, 6.9166, 23.5504



0.1377, 0.0661, 0.2252

Previews

White Background



This preview shows how the XYZ color 9.8225, 19.6449, 3.2742 looks on a white background.

Color Contrast Check

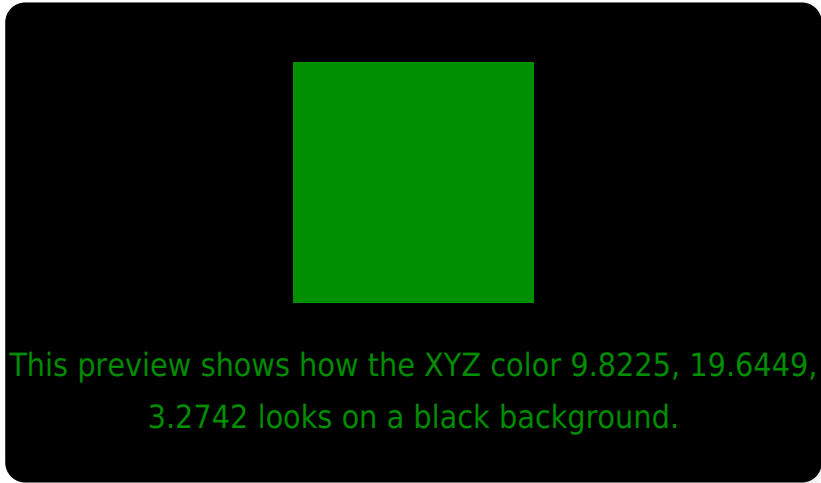
Large Text (above 18pt) WCAG AA ✓ Pass

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

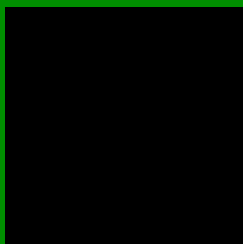
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 9.8225, 19.6449, 3.2742

Background



This preview shows how black text looks on a background with the XYZ color 9.8225, 19.6449, 3.2742.



This preview shows how white text looks on a background with the XYZ color 9.8225, 19.6449,

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

9.8225, 19.6449, 3.2742

Protanopia

17.4408, 19.3223, 2.8104

Deuteranopia

19.6296, 19.3620, 3.9990



Tritanopia

15.2850, 19.7493, 29.3920

Trichromacy



Original Color

9.8225, 19.6449, 3.2742



Protanomaly

12.0071, 18.0400, 2.8492



Deuteranomaly

12.5169, 17.5136, 3.3826



Tritanomaly

11.6768, 19.0761, 13.1918

Monochromacy



Original Color

9.8225, 19.6449, 3.2742



Achromatopsia

8.4267, 8.8656, 9.6546



Achromatomaly

7.1624, 11.1171, 5.1365

CSS Examples

Text

The CSS property to change the color of the text to XYZ 9.8225, 19.6449, 3.2742 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, 0)` looks like.

```
.text, #text, p{  
    color:rgb(0, 143, 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(0, 143, 0) colored shadow looks like.

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

Border

The CSS property to change the border of an element to XYZ 9.8225, 19.6449, 3.2742 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, 0) }
```


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

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

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, 0) colored shadow looks like.

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

Background

The CSS property to change the background color of an element to XYZ 9.8225, 19.6449, 3.2742 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, 0) }
```

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

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