

Converting Colors

XYZ(9.9538, 19.6495, 4.1137)

Have a look what the booklet for
XYZ(9.9538, 19.6495, 4.1137)
contains.

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Color

**XYZ(9.9873, 19.7109,
4.1423)**

Conversions

Conversions Part 1

Format	Color
Hex	008F18
RGB	0, 143, 24
RGB Percent	0%, 56%, 9%
CMY	1.0000, 0.4392, 0.9059
CMYK	1.00, 0.00, 0.83, 0.44
HSL	130°, 100%, 28%
HSV	130°, 100%, 56%
XYZ	9.9873, 19.7109, 4.1423
YIQ	86.6770, -47.0290, -67.3250

Conversions

Conversions Part 2

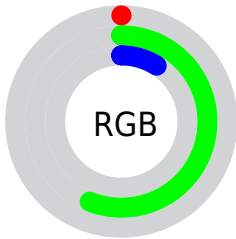
Format	Color
RYB	0, 122, 143
Decimal	36632
CIELab	51.51, -55.04, 49.13
CIELCh	52, 73.780, 138.249
Yxy	19.7109, 0.2951, 0.5825
Android (android.graphics.Color)	4278226712 (0xFF008F18)
YUV	86.6770, -30.8998, -76.0157
Hunter-Lab	44.3970, -37.5403, 25.5460

Details

The XYZ color **9.9873, 19.7109, 4.1423** is a dark color, and the websafe version is hex **009933**. A complement of this color would be **14.6578, 7.1718, 18.0639**, and the grayscale version is **9.0616, 9.5335, 10.3820**.

A 20% lighter version of the original color is **25.4431, 42.9311, 14.3427**, and **3.7411, 7.4822, 1.2470** is the 20% darker color. If you saturate the color by 10%, you get **9.9878, 19.7117, 4.1427**, and if you desaturate by 10%, it is **10.3257, 19.8683, 4.9522**.

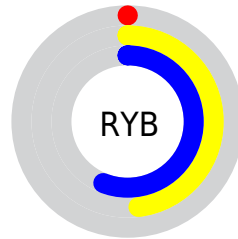
Distribution



Red (0%)

Green (56%)

Blue (9%)



Red (0%)

Yellow (48%)

Blue (56%)

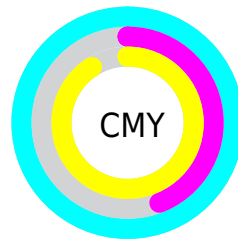


Cyan (100%)

Magenta (0%)

Yellow (83%)

Black (44%)



Cyan (100%)

Magenta (44%)

Yellow (91%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 9.9873, 19.7109, 4.1423 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 9.9873, 19.7109, 4.1423 by changing the saturation by 10% instead.

■ 9.9873, 19.7109,
4.1423

■ 9.9873, 19.7109,
4.1423

184.6369,
250.3457, 149.7941

■ 5.4527, 12.1851,
1.7037

■ 25.4215, 42.9320,
14.3366

■ 2.5527, 6.8698,
0.3633

■ 37.0519, 59.3960,
22.9295

■ 0.9219, 3.3808,
0.0000

■ 51.7782, 79.6082,
34.4108

■ 0.0000, 1.3336,
0.0000

■ 69.9658, 103.9529,
49.1992


■ 0.0000, 0.1670,
0.0000


■ 91.9802, 132.8147,
67.7132


■ 0.0000, 0.0000,
0.0000


■ 118.1866,


166.5778, 90.3714


 148.9504,
205.6267, 117.5921


 9.9873, 19.7109,
4.1423


 9.9873, 19.7109,
4.1423


 9.9878, 19.7117,
4.1427

 10.3257, 19.8683,
4.9522

 10.8478, 20.1130,
6.0856

 11.6228, 20.4803,
7.5746

 12.6785, 20.9843,
9.4455

 14.0392, 21.6367,
11.7223

■ 15.7264, 22.4484,
14.4270

■ 17.7595, 23.4288,
17.5799

■ 20.1568, 24.5870,
21.2002

■ 22.9347, 25.9311,
25.3058

Harmonies

Analogous

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



14.6170, 19.7109, 1.3531



9.9873, 19.7109, 4.1423



7.9595, 19.7109, 14.1770

Triad

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



9.9873, 19.7109, 4.1423



15.9797, 19.7109, 91.3457



35.7889, 19.7109, 11.0504

Complementary

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



9.9873, 19.7109, 4.1423



14.6578, 7.1718, 18.0639

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.



36.4365, 19.7109, 30.8925



9.9873, 19.7109, 4.1423



23.5609, 19.7109, 88.2368

Square

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



9.9873, 19.7109, 4.1423



10.7573, 19.7109, 68.5787



31.5041, 19.7109, 61.7234



29.9162, 19.7109, 3.1429

Rectangle

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



9.9873, 19.7109, 4.1423



7.8744, 19.7109, 27.8664



31.5041, 19.7109, 61.7234



36.6725, 19.7109, 16.1224

Sweetspot

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



9.9878, 19.7117, 4.1427



31.5533, 41.8350, 31.0991



17.4539, 23.5797, 3.6314



6.9066, 9.4348, 6.6246



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.



9.9878, 19.7117, 4.1427



17.8411, 35.2813, 7.1831



11.9037, 20.4781, 14.2318



5.3775, 6.0432, 5.9540



8.8364, 17.4304, 3.6929



0.0901, 0.1689, 0.0647

Inverse Universe

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



14.6578, 7.1718, 18.0639



26.1944, 12.8212, 32.0616



11.8548, 6.0506, 3.3035



5.5879, 5.4957, 6.5940



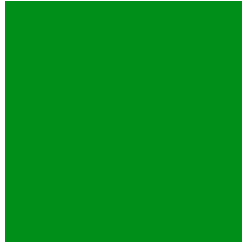
12.9663, 6.3436, 16.0059



0.1306, 0.0633, 0.1881

Previews

White Background



This preview shows how the XYZ color 9.9873, 19.7109, 4.1423 looks on a white background.

Color Contrast Check

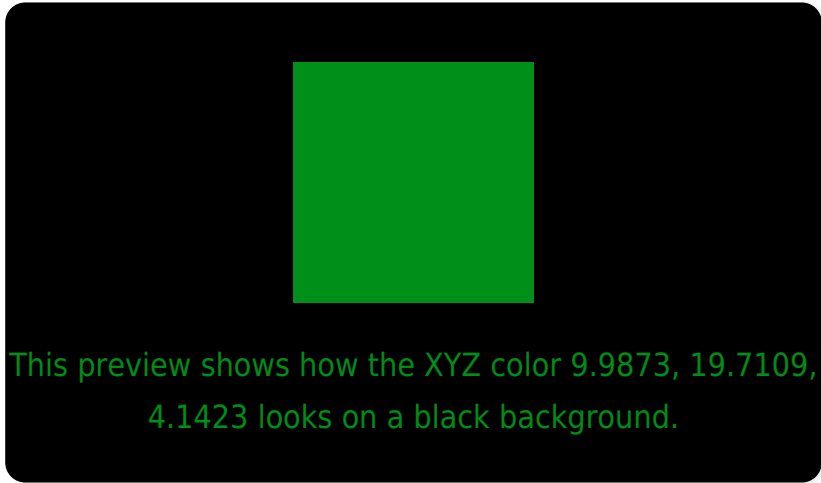
Large Text (above 18pt) WCAG AA ✓ Pass

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

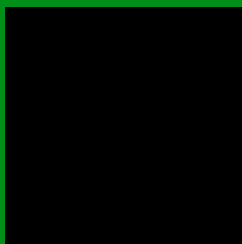
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 9.9873, 19.7109, 4.1423

Background



This preview shows how black text looks on a background with the XYZ color 9.9873, 19.7109, 4.1423.



This preview shows how white text looks on a background with the XYZ color 9.9873, 19.7109,

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

9.9873, 19.7109, 4.1423

Protanopia

17.6734, 19.6129, 3.4264

Deuteranopia

19.7321, 19.4030, 4.5389



Tritanopia

15.2850, 19.7493, 29.3920

Trichromacy



Original Color

9.9873, 19.7109, 4.1423



Protanomaly

12.1334, 18.0905, 3.5141



Deuteranomaly

12.6651, 17.5729, 4.1632



Tritanomaly

12.0452, 19.2235, 15.1322

Monochromacy



Original Color

9.9873, 19.7109, 4.1423



Achromatopsia

9.0590, 9.5307, 10.3790



Achromatomaly

7.7587, 11.6978, 6.6995

CSS Examples

Text

The CSS property to change the color of the text to XYZ 9.9873, 19.7109, 4.1423 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, 24)` looks like.

```
.text, #text, p{  
    color:rgb(0, 143, 24)  
}
```

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, 24) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 143, 24) }
```

Border

The CSS property to change the border of an element to XYZ 9.9873, 19.7109, 4.1423 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, 24) }
```


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

```
.border{ border-color:rgb(0, 143, 24) }
```

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, 24) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 143, 24); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 143, 24);  
box-shadow:4px 4px 4px 4px rgb(0, 143, 24)  
}
```

Background

The CSS property to change the background color of an element to XYZ 9.9873, 19.7109, 4.1423 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, 24) }
```

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

```
.background{ background-color: rgb(0, 143,  
24) }
```

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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