

Converting Colors

XYZ(10.0133, 19.9631, 3.5327)

Have a look what the booklet for
XYZ(10.0133, 19.9631, 3.5327)
contains.

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Color

**XYZ(10.0116, 19.9619,
3.5264)**

Conversions

Conversions Part 1

Format	Color
Hex	009007
RGB	0, 144, 7
RGB Percent	0%, 56%, 3%
CMY	1.0000, 0.4353, 0.9725
CMYK	1.00, 0.00, 0.95, 0.44
HSL	123°, 100%, 28%
HSV	123°, 100%, 56%
XYZ	10.0116, 19.9619, 3.5264
YIQ	85.3260, -41.8470, -73.1350

Conversions

Conversions Part 2

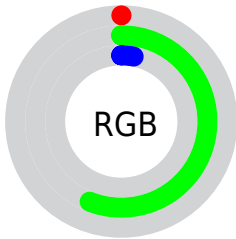
Format	Color
R_{YB}	0, 137, 144
Decimal	36871
CIE _{Lab}	51.79, -56.08, 53.14
CIE _{LCh}	52, 77.256, 136.545
Yxy	19.9619, 0.2989, 0.5959
Android (android.graphics.Color)	4278226951 (0xFF009007)
YUV	85.3260, -38.6147, -74.8309
Hunter-Lab	44.6787, -38.1896, 26.5955

Details

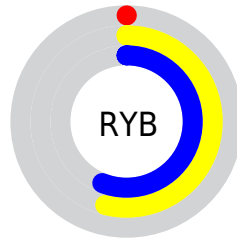
The XYZ color **10.0116, 19.9619, 3.5264** is a dark color, and the websafe version is hex **009900**. A complement of this color would be **16.0168, 7.7354, 24.3125**, and the grayscale version is **8.7887, 9.2464, 10.0693**.

A 20% lighter version of the original color is **25.4594, 43.3153, 12.8132**, and **3.8271, 7.6543, 1.2757** is the 20% darker color. If you saturate the color by 10%, you get **10.0121, 19.9628, 3.5269**, and if you desaturate by 10%, it is **10.2938, 20.0971, 4.0321**.

Distribution



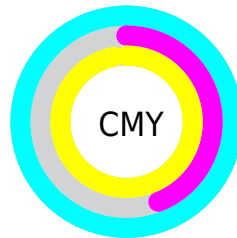
- Red (0%)
- Green (56%)
- Blue (3%)



- Red (0%)
- Yellow (54%)
- 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 10.0116, 19.9619, 3.5264 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 10.0116, 19.9619, 3.5264 by changing the saturation by 10% instead.

■ 10.0116, 19.9619,
3.5264

■ 10.0116, 19.9619,
3.5264

184.8067,
251.7088, 142.8061

■ 5.4690, 12.3674,
1.3693

■ 25.4668, 43.3533,
12.9019

■ 2.5625, 6.9944,
0.1176

■ 37.1101, 59.9189,
20.9573

■ 0.9269, 3.4586,
0.0000

■ 51.8510, 80.2437,
31.8160

■ 0.0000, 1.3756,
0.0000

■ 70.0548, 104.7121,
45.8964


■ 0.0000, 0.1986,
0.0000


■ 92.0869, 133.7083,
63.6170


■ 0.0000, 0.0000,
0.0000


■ 118.3127,


167.6170, 85.3965


 149.0975,
206.8223, 111.6534


 10.0116, 19.9619,
3.5264


 10.0116, 19.9619,
3.5264


 10.0121, 19.9628,
3.5269

 10.2938, 20.0971,
4.0321

 10.7695, 20.3236,
4.8998

 11.5142, 20.6796,
6.1928

 12.5598, 21.1807,
7.9562

 13.9337, 21.8401,
10.2292

■ 15.6604, 22.6697,
13.0470

■ 17.7618, 23.6800,
16.4417

■ 20.2582, 24.8810,
20.4428

■ 23.1685, 26.2817,
25.0779

Harmonies

Analogous

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



15.0023, 19.9619, 1.0692



10.0116, 19.9619, 3.5264



7.7783, 19.9619, 13.1705

Triad

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



10.0116, 19.9619, 3.5264



15.6828, 19.9619, 96.3667



37.3633, 19.9619, 11.6271

Complementary

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



10.0116, 19.9619, 3.5264



16.0168, 7.7354, 24.3125

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.



37.6943, 19.9619, 33.3840



10.0116, 19.9619, 3.5264



23.5894, 19.9619, 94.7520

Square

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



10.0116, 19.9619, 3.5264



10.3911, 19.9619, 70.4321



32.1278, 19.9619, 66.8935



31.3193, 19.9619, 3.0597

Rectangle

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



10.0116, 19.9619, 3.5264



7.6058, 19.9619, 27.0273



32.1278, 19.9619, 66.8935



38.1942, 19.9619, 17.1832

Sweetspot

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



10.0121, 19.9628, 3.5269



31.0786, 41.6452, 28.5994



20.6550, 25.4538, 3.8244



6.7912, 9.3887, 6.0171



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.



10.0121, 19.9628, 3.5269



17.6402, 35.2009, 6.1250



11.3062, 20.4804, 10.3417



5.3529, 6.0334, 5.8241



8.7210, 17.3843, 3.0848



0.0851, 0.1669, 0.0384

Inverse Universe

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



16.0168, 7.7354, 24.3125



28.2306, 13.6357, 42.7840



12.5213, 6.3372, 5.9052



5.6151, 5.5066, 6.7370



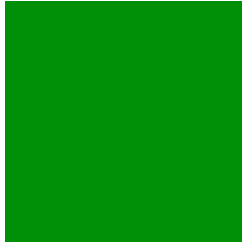
13.9497, 6.7369, 21.1842



0.1356, 0.0653, 0.2144

Previews

White Background



This preview shows how the XYZ color 10.0116, 19.9619, 3.5264 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



This preview shows how the XYZ color 10.0116, 19.9619, 3.5264 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

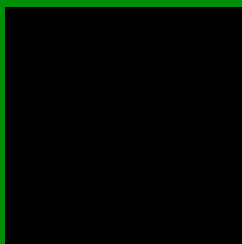
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 10.0116, 19.9619, 3.5264

Background



This preview shows how black text looks on a background with the XYZ color 10.0116, 19.9619, 3.5264.



This preview shows how white text looks on a background with the XYZ color 10.0116, 19.9619,

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

10.0116, 19.9619, 3.5264

Protanopia

17.7304, 19.6549, 2.8593

Deuteranopia

20.1396, 19.7954, 4.1259



Tritanopia

15.4994, 20.0552, 29.8422

Trichromacy



Original Color

10.0116, 19.9619, 3.5264



Protanomaly

12.1572, 18.3139, 2.9803



Deuteranomaly

12.8896, 17.8933, 3.5850



Tritanomaly

11.9534, 19.4153, 13.9440

Monochromacy



Original Color

10.0116, 19.9619, 3.5264



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 10.0116, 19.9619, 3.5264 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, 144, 7)` looks like.

```
.text, #text, p{  
    color:rgb(0, 144, 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, 144, 7) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 144, 7) }
```

Border

The CSS property to change the border of an element to XYZ 10.0116, 19.9619, 3.5264 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, 144, 7) }
```


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

```
.border{ border-color:rgb(0, 144, 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, 144, 7)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 144, 7); -webkit-box-shadow:4px  
4px 4px 4px rgb(0, 144, 7); box-shadow:4px  
4px 4px 4px rgb(0, 144, 7) }
```

Background

The CSS property to change the background color of an element to XYZ 10.0116, 19.9619, 3.5264 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 144, 7) }
```

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

```
.background{ background-color: rgb(0, 144,  
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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