

Converting Colors

XYZ(10.0289, 19.9822, 3.3284)

Have a look what the booklet for
XYZ(10.0289, 19.9822, 3.3284)
contains.

XYZ(10.0233, 19.9723, 3.3268)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(10.0233, 19.9723,
3.3268)**

Conversions

Conversions Part 1

Format	Color
Hex	049000
RGB	4, 144, 0
RGB Percent	2%, 56%, 0%
CMY	0.9843, 0.4353, 1.0000
CMYK	0.97, 0.00, 1.00, 0.44
HSL	118°, 100%, 28%
HSV	118°, 100%, 56%
XYZ	10.0233, 19.9723, 3.3268
YIQ	85.7240, -37.2160, -74.4640

Conversions

Conversions Part 2

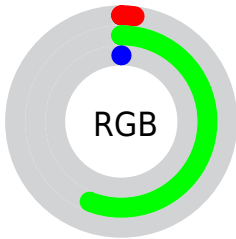
Format	Color
RYB	0, 144, 140
Decimal	299008
CIELab	51.81, -56.04, 54.38
CIELCh	52, 78.089, 135.861
Yxy	19.9723, 0.3008, 0.5994
Android (android.graphics.Color)	4278489088 (0xFF049000)
YUV	85.7240, -42.2619, -71.6719
Hunter-Lab	44.6904, -38.1736, 26.8697

Details

The XYZ color **10.0233, 19.9723, 3.3268** is a dark color, and the websafe version is hex **009900**. A complement of this color would be **15.8525, 7.5909, 27.0163**, and the grayscale version is **8.8797, 9.3422, 10.1736**.

A 20% lighter version of the original color is **25.4913, 43.3389, 12.4906**, and **3.8271, 7.6543, 1.2757** is the 20% darker color. If you saturate the color by 10%, you get **10.0235, 19.9730, 3.3269**, and if you desaturate by 10%, it is **10.3052, 20.1087, 3.7685**.

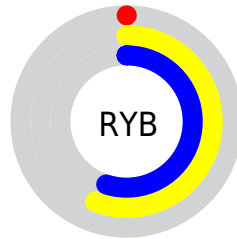
Distribution



Red (2%)

Green (56%)

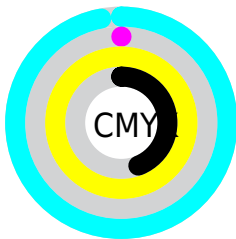
Blue (0%)



Red (0%)

Yellow (56%)

Blue (55%)

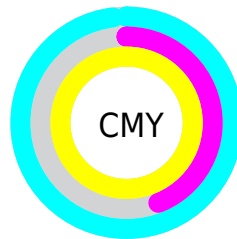


Cyan (97%)

Magenta (0%)

Yellow (100%)

Black (44%)



Cyan (98%)


Magenta (44%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 10.0233, 19.9723, 3.3268 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 10.0233, 19.9723, 3.3268 by changing the saturation by 10% instead.


 10.0233, 19.9723,
3.3268


 10.0233, 19.9723,
3.3268


184.8884,
251.7651, 140.4199


 5.4768, 12.3749,
1.2638


 25.4886, 43.3707,
12.4247


 2.5672, 6.9995,
0.0319


 37.1381, 59.9406,
20.2967


 0.9293, 3.4618,
0.0000

 51.8860, 80.2700,
30.9422

 0.0000, 1.3773,
0.0000

 70.0976, 104.7435,
44.7796


 0.0000, 0.1999,
0.0000


 92.1383, 133.7453,
62.2276


 0.0000, 0.0000,
0.0000


 118.3734,


167.6599, 83.7046


 149.1683,
206.8717, 109.6292


 10.0233, 19.9723,
3.3268


 10.0233, 19.9723,
3.3268


 10.0235, 19.9730,
3.3269

 10.3052, 20.1087,
3.7685

 10.7888, 20.3422,
4.5081

 11.5405, 20.7042,
5.6941

 12.5913, 21.2097,
7.3819

 13.9683, 21.8715,
9.6186

■ 15.6953, 22.7010,
12.4463

■ 17.7941, 23.7086,
15.9026

■ 20.2845, 24.9038,
20.0223

■ 23.1850, 26.2955,
24.8373

Harmonies

Analogous

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



15.1208, 19.9723, 0.9933



10.0233, 19.9723, 3.3268



7.7208, 19.9723, 12.7438

Triad

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



10.0233, 19.9723, 3.3268



15.5034, 19.9723, 97.2848



37.7039, 19.9723, 11.8786

Complementary

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



10.0233, 19.9723, 3.3268



15.8525, 7.5909, 27.0163

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.



37.8912, 19.9723, 34.2230



10.0233, 19.9723, 3.3268



23.4527, 19.9723, 96.3677

Square

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



10.0233, 19.9723, 3.3268



10.2360, 19.9723, 70.4066



32.1305, 19.9723, 68.3999



31.6736, 19.9723, 3.0690

Rectangle

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



10.0233, 19.9723, 3.3268



7.5133, 19.9723, 26.5066



32.1305, 19.9723, 68.3999



38.4991, 19.9723, 17.5933

Sweetspot

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



10.0238, 19.9731, 3.3273



31.1327, 41.6945, 27.6336



20.7642, 24.4536, 3.6260



6.8042, 9.4005, 5.7842



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.



10.0238, 19.9731, 3.3273



17.6550, 35.2143, 5.8665



10.9932, 20.3551, 8.6925



5.3558, 6.0361, 5.7722



8.7317, 17.3940, 2.8972



0.0857, 0.1674, 0.0278

Inverse Universe

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



15.8525, 7.5909, 27.0163



27.9344, 13.3750, 47.6474



12.8349, 6.4629, 7.5565



5.6117, 5.5035, 6.7953



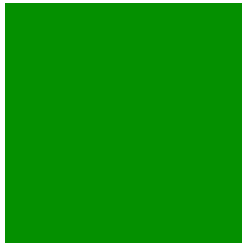
13.8073, 6.6115, 23.5255



0.1350, 0.0648, 0.2251

Previews

White Background



This preview shows how the XYZ color 10.0233, 19.9723, 3.3268 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 10.0233, 19.9723, 3.3268 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

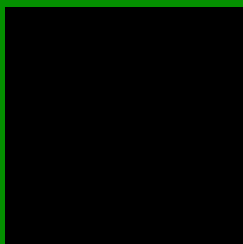
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 10.0233, 19.9723, 3.3268

Background



This preview shows how black text looks on a background with the XYZ color 10.0233, 19.9723, 3.3268.



This preview shows how white text looks on a background with the XYZ color 10.0233, 19.9723,

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

10.0233, 19.9723, 3.3268

Protanopia

17.7304, 19.6549, 2.8593

Deuteranopia

20.1262, 19.7901, 4.0554



Tritanopia

15.5604, 20.0866, 29.8451

Trichromacy



Original Color

10.0233, 19.9723, 3.3268



Protanomaly

12.3327, 18.4063, 2.9028



Deuteranomaly

12.9712, 17.9386, 3.4407



Tritanomaly

11.8953, 19.4008, 13.2430

Monochromacy



Original Color

10.0233, 19.9723, 3.3268



Achromatopsia

8.8453, 9.3059, 10.1341



Achromatomaly

7.5782, 11.6320, 5.4602

CSS Examples

Text

The CSS property to change the color of the text to XYZ 10.0233, 19.9723, 3.3268 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(4, 144, 0)` looks like.

```
.text, #text, p{  
    color:rgb(4, 144, 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(4, 144, 0) colored shadow looks like.

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

Border

The CSS property to change the border of an element to XYZ 10.0233, 19.9723, 3.3268 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(4, 144, 0) }
```


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

```
.border{ border-color:rgb(4, 144, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(4, 144, 0)` colored shadow looks like.

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

Background

The CSS property to change the background color of an element to XYZ 10.0233, 19.9723, 3.3268 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(4, 144, 0) }
```

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

```
.background{ background-color: rgb(4, 144,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor