

Converting Colors

XYZ(9.6676, 19.9024, 2.6487)

Have a look what the booklet for
XYZ(9.6676, 19.9024, 2.6487)
contains.

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Color

**XYZ(9.9733, 19.9465,
3.3244)**

Conversions

Conversions Part 1

| Format | Color |
|---------------|-----------------------------|
| Hex | 009000 |
| RGB | 0, 144, 0 |
| RGB Percent | 0%, 56%, 0% |
| CMY | 1.0000, 0.4353, 1.0000 |
| CMYK | 1.00, 0.00, 1.00, 0.44 |
| HSL | 120°, 100%, 28% |
| HSV | 120°, 100%, 56% |
| XYZ | 9.9733, 19.9465, 3.3244 |
| YIQ | 84.5280, -39.6000, -75.3120 |

Conversions

Conversions Part 2

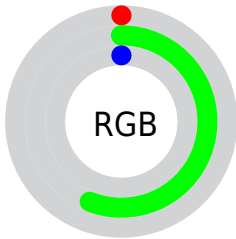
| Format | Color |
|-------------------------------------|--------------------------------|
| RYB | 0, 144, 144 |
| Decimal | 36864 |
| CIELab | 51.78, -56.31, 54.35 |
| CIELCh | 52, 78.257, 136.016 |
| Yxy | 19.9465, 0.3000, 0.6000 |
| Android (android.graphics.Color) | 4278226944 (0xFF009000) |
| YUV | 84.5280, -41.6723, -74.1311 |
| Hunter-Lab | 44.6615, -38.2970, 26.8498 |

Details

The XYZ color **9.9733, 19.9465, 3.3244** is a dark color, and the websafe version is hex **009900**, and the color name is **islamic green**. A complement of this color would be **16.5360, 7.9432, 27.0463**, and the grayscale version is **8.6270, 9.0763, 9.8841**.

A 20% lighter version of the original color is **25.3973, 43.2904, 12.4862**, and **3.8271, 7.6543, 1.2757** is the 20% darker color. If you saturate the color by 10%, you get **9.9737, 19.9473, 3.3247**, and if you desaturate by 10%, it is **10.2432, 20.0767, 3.7655**.

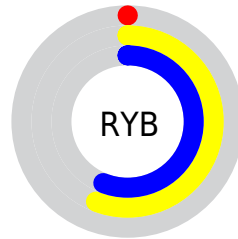
Distribution



Red (0%)

Green (56%)

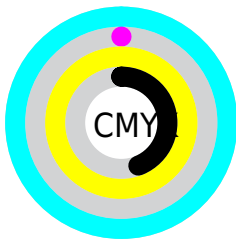
Blue (0%)



Red (0%)

Yellow (56%)

Blue (56%)

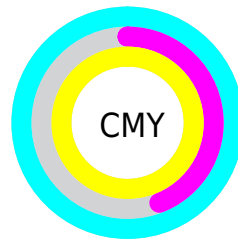


Cyan (100%)

Magenta (0%)

Yellow (100%)

Black (44%)



Cyan (100%)


Magenta (44%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 9.9733, 19.9465, 3.3244 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 9.9733, 19.9465, 3.3244 by changing the saturation by 10% instead.

 9.9733, 19.9465,
3.3244


 9.9733, 19.9465,
3.3244


184.5390,
251.6253, 140.3908


 5.4434, 12.3562,
1.2626


 25.3954, 43.3275,
12.4189


 2.5471, 6.9867,
0.0308


 37.0183, 59.8869,
20.2887


 0.9191, 3.4538,
0.0000

 51.7362, 80.2048,
30.9316

 0.0000, 1.3730,
0.0000

 69.9146, 104.6656,
44.7661


 0.0000, 0.1967,
0.0000


 91.9187, 133.6536,
62.2107


 0.0000, 0.0000,
0.0000


 118.1139,


167.5533, 83.6840


 148.8655,
206.7491, 109.6045


 9.9733, 19.9465,
3.3244


 9.9733, 19.9465,
3.3244


 9.9737, 19.9473,
3.3247

 10.2432, 20.0767,
3.7655

 10.6943, 20.2934,
4.5035

 11.4185, 20.6413,
5.6881

 12.4496, 21.1366,
7.3747

 13.8166, 21.7933,
9.6108

■ 15.5452, 22.6236,
12.4382

■ 17.6585, 23.6387,
15.8949

■ 20.1777, 24.8488,
20.0155

■ 23.1225, 26.2633,
24.8322

Harmonies

Analogous

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



15.0581, 19.9465, 0.9824



9.9733, 19.9465, 3.3244



7.6845, 19.9465, 12.7884

Triad

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



9.9733, 19.9465, 3.3244



15.5100, 19.9465, 97.5330



37.6969, 19.9465, 11.7672

Complementary

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



9.9733, 19.9465, 3.3244



16.5360, 7.9432, 27.0463

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.



37.9184, 19.9465, 34.0611



9.9733, 19.9465, 3.3244



23.4804, 19.9465, 96.4472

Square

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



9.9733, 19.9465, 3.3244



10.2243, 19.9465, 70.6722



32.1697, 19.9465, 68.2973



31.6294, 19.9465, 3.0211

Rectangle

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



9.9733, 19.9465, 3.3244



7.4849, 19.9465, 26.6196



32.1697, 19.9465, 68.2973



38.5050, 19.9465, 17.4589

Sweetspot

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



9.9738, 19.9473, 3.3249



30.8932, 41.5710, 27.6230



21.4757, 25.8768, 3.8630



6.7465, 9.3708, 5.7817



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.



9.9738, 19.9473, 3.3249



17.5906, 35.1811, 5.8637



11.1435, 20.4152, 9.4848



5.3429, 6.0294, 5.7716



8.6849, 17.3698, 2.8951



0.0830, 0.1661, 0.0277

Inverse Universe

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



16.5360, 7.9432, 27.0463



29.1644, 14.0092, 47.7014



12.6719, 6.3976, 6.6986



5.6263, 5.5110, 6.7959



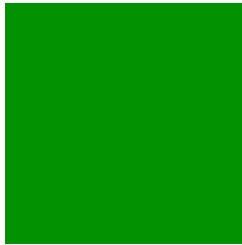
14.3993, 6.9167, 23.5515



0.1377, 0.0661, 0.2252

Previews

White Background



This preview shows how the XYZ color 9.9733, 19.9465, 3.3244 looks on a white background.

Color Contrast Check

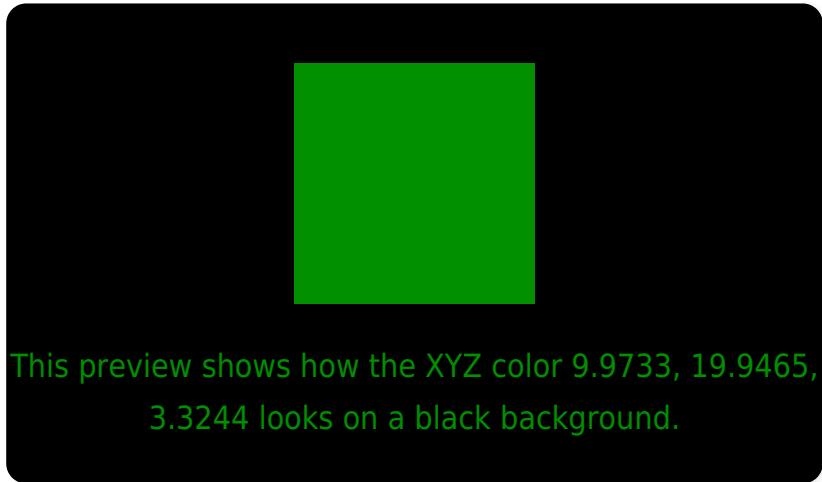
Large Text (above 18pt) WCAG AA ✓ Pass

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 9.9733, 19.9465, 3.3244

Background



This preview shows how black text looks on a background with the XYZ color 9.9733, 19.9465, 3.3244.



This preview shows how white text looks on a background with the XYZ color 9.9733, 19.9465,

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

9.9733, 19.9465, 3.3244

Protanopia

17.7304, 19.6549, 2.8593

Deuteranopia

20.1262, 19.7901, 4.0554



Tritanopia

15.4994, 20.0552, 29.8422

Trichromacy



Original Color

9.9733, 19.9465, 3.3244



Protanomaly

12.1408, 18.3073, 2.8938



Deuteranomaly

12.8612, 17.8819, 3.4355



Tritanomaly

11.8196, 19.3617, 13.2394

Monochromacy



Original Color

9.9733, 19.9465, 3.3244



Achromatopsia

8.6345, 9.0842, 9.8927



Achromatomaly

7.3412, 11.3587, 5.2956

CSS Examples

Text

The CSS property to change the color of the text to XYZ 9.9733, 19.9465, 3.3244 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, 0)` looks like.

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

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

Border

The CSS property to change the border of an element to XYZ 9.9733, 19.9465, 3.3244 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, 0) }
```


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

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

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

Background

The CSS property to change the background color of an element to XYZ 9.9733, 19.9465, 3.3244 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, 0) }
```

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

```
.background{ background-color: rgb(0, 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](#).

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