

Converting Colors

XYZ(16.5066, 19.8698, 3.1116)

Have a look what the booklet for
XYZ(16.5066, 19.8698, 3.1116)
contains.

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Color

**XYZ(16.4990, 19.9613,
3.1269)**

Conversions

Conversions Part 1

Format	Color
Hex	7F8005
RGB	127, 128, 5
RGB Percent	50%, 50%, 2%
CMY	0.5020, 0.4980, 0.9804
CMYK	0.01, 0.00, 0.96, 0.50
HSL	60°, 92%, 26%
HSV	60°, 96%, 50%
XYZ	16.4990, 19.9613, 3.1269
YIQ	113.6790, 38.8870, -38.4650

Conversions

Conversions Part 2

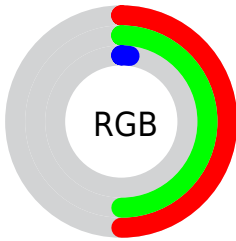
Format	Color
R _Y B	5, 128, 6
Decimal	8355845
CIE Lab	51.79, -13.30, 55.64
CIE LCh	52, 57.205, 103.439
Yxy	19.9613, 0.4168, 0.5042
Android (android.graphics.Color)	4286545925 (0xFF7F8005)
YUV	113.6790, -53.5787, 11.6825
Hunter-Lab	44.6781, -12.2690, 27.1251

Details

The XYZ color **16.4990, 19.9613, 3.1269** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **4.0261, 1.7061, 20.5404**, and the grayscale version is **16.0459, 16.8815, 18.3840**.

A 20% lighter version of the original color is **37.0957, 43.5324, 11.9163**, and **5.6200, 7.0478, 1.0642** is the 20% darker color. If you saturate the color by 10%, you get **16.4659, 19.9481, 2.9825**, and if you desaturate by 10%, it is **16.5952, 20.0023, 3.5503**.

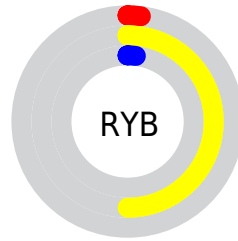
Distribution



Red (50%)

Green (50%)

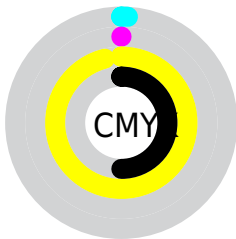
Blue (2%)



Red (2%)

Yellow (50%)

Blue (2%)

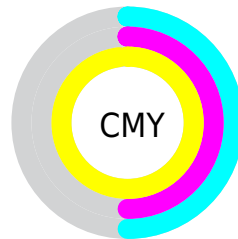


Cyan (1%)

Magenta (0%)

Yellow (96%)

Black (50%)



Cyan (50%)

Magenta (50%)

Yellow (98%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.4990, 19.9613, 3.1269 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 16.4990, 19.9613, 3.1269 by changing the saturation by 10% instead.

■ 16.4990, 19.9613,
3.1269

■ 16.4990, 19.9613,
3.1269

225.4814,
251.7055, 137.9608

■ 9.9710, 12.3669,
1.1598

■ 37.0128, 43.3523,
11.9400

■ 5.4419, 6.9941,
0.0000

■ 51.7294, 59.9177,
19.6231

■ 2.5462, 3.4584,
0.0000

■ 69.9062, 80.2422,
30.0485

■ 0.9186, 1.3755,
0.0000

■ 91.9087, 104.7103,
43.6349


■ 0.0000, 0.1985,
0.0000


■ 118.1020,
133.7062, 60.8008


■ 0.0000, 0.0000,
0.0000


■ 148.8517,


167.6145, 81.9648


 184.5231,
206.8195, 107.5452


 16.4990, 19.9613,
3.1269


 16.4990, 19.9613,
3.1269


 16.4659, 19.9481,
2.9825

 16.5952, 20.0023,
3.5503

 16.7454, 20.0642,
4.2597

 16.9623, 20.1528,
5.3210

 17.2533, 20.2710,
6.7717

 17.6245, 20.4213,
8.6447

■ 18.0814, 20.6058,
10.9692

■ 18.6292, 20.8268,
13.7721

■ 19.2725, 21.0859,
17.0778

■ 20.0157, 21.3850,
20.9095

Harmonies

Analogous

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



22.3291, 19.9613, 3.2521



16.4990, 19.9613, 3.1269



12.2962, 19.9613, 5.8222

Triad

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



16.4990, 19.9613, 3.1269



11.9775, 19.9613, 51.8881



31.7824, 19.9613, 32.1582

Complementary

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



16.4990, 19.9613, 3.1269



4.0261, 1.7061, 20.5404

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.



27.7116, 19.9613, 54.1151



16.4990, 19.9613, 3.1269



15.9705, 19.9613, 68.9148

Square

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



16.4990, 19.9613, 3.1269



10.0677, 19.9613, 30.0266



21.6819, 19.9613, 69.8905



32.0045, 19.9613, 15.1295

Rectangle

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



16.4990, 19.9613, 3.1269



10.6494, 19.9613, 10.3602



21.6819, 19.9613, 69.8905



30.7862, 19.9613, 39.3541

Sweetspot

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



16.4995, 19.9622, 3.1273



32.4336, 36.5199, 22.3804



8.9844, 4.7092, 0.5793



7.5124, 8.5176, 4.8246



62.3462, 65.5931, 71.4309



8.4577, 8.8982, 9.6901

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



16.4995, 19.9622, 3.1273



28.9829, 35.1165, 5.2506



10.0281, 16.6261, 2.8245



4.6620, 5.0177, 4.6429



16.3263, 19.7789, 2.9572



0.0000, 0.0000, 0.0000

Inverse Universe

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



4.0261, 1.7061, 20.5404



6.8769, 2.7527, 36.1251



6.2319, 2.8432, 20.6436



4.1118, 4.2133, 5.4098



3.8765, 1.5521, 20.3452



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 16.4990, 19.9613, 3.1269 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 16.4990, 19.9613, 3.1269 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

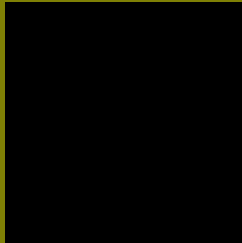
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 16.4990, 19.9613, 3.1269

Background



This preview shows how black text looks on a background with the XYZ color 16.4990, 19.9613, 3.1269.

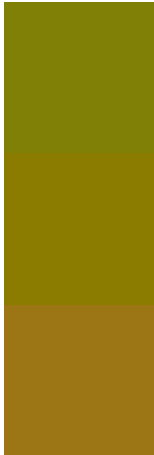


This preview shows how white text looks on a background with the XYZ color 16.4990, 19.9613,

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

16.4990, 19.9613, 3.1269

Protanopia

17.8551, 19.9043, 2.9008

Deuteranopia

20.1979, 19.8410, 3.4270



Tritanopia

20.6465, 19.9864, 23.1917

Trichromacy



Original Color

16.4990, 19.9613, 3.1269

Protanomaly

17.3362, 19.8225, 2.9698

Deuteranomaly

18.6007, 19.7290, 3.2797

Tritanomaly

18.1937, 19.5301, 10.9944

Monochromacy



Original Color

16.4990, 19.9613, 3.1269

Achromatopsia

15.9940, 16.8269, 18.3245

Achromatomaly

15.4406, 17.6100, 9.0638

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.4990, 19.9613, 3.1269 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(127, 128, 5)` looks like.

```
.text, #text, p{  
    color:rgb(127, 128, 5)  
}
```

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(127, 128, 5) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 128, 5) }
```

Border

The CSS property to change the border of an element to XYZ 16.4990, 19.9613, 3.1269 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(127, 128, 5) }
```


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

```
.border{ border-color:rgb(127, 128, 5) }
```

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

Here you see how a box with a 4 pixel `rgb(127, 128, 5)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 128, 5); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 128, 5);  
box-shadow:4px 4px 4px 4px rgb(127, 128,  
5) }
```

Background

The CSS property to change the background color of an element to XYZ 16.4990, 19.9613, 3.1269 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 128, 5) }
```

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

```
.background{ background-color: rgb(127,  
128, 5) }
```

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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