

Converting Colors

XYZ(9.9686, 16.5794, 6.9481)

Have a look what the booklet for
XYZ(9.9686, 16.5794, 6.9481)
contains.

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Color

**XYZ(9.9000, 16.4684,
6.9319)**

Conversions

Conversions Part 1

Format	Color
Hex	33803C
RGB	51, 128, 60
RGB Percent	20%, 50%, 24%
CMY	0.8000, 0.4980, 0.7647
CMYK	0.60, 0.00, 0.53, 0.50
HSL	127°, 43%, 35%
HSV	127°, 60%, 50%
XYZ	9.9000, 16.4684, 6.9319
YIQ	97.2250, -24.0640, -37.4720

Conversions

Conversions Part 2

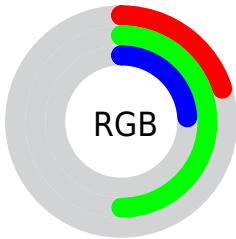
Format	Color
RYB	51, 120, 128
Decimal	3375164
CIELab	47.58, -38.81, 29.77
CIELCh	48, 48.912, 142.514
Yxy	16.4684, 0.2973, 0.4945
Android (android.graphics.Color)	4281565244 (0xFF33803C)
YUV	97.2250, -18.3519, -40.5393
Hunter-Lab	40.5813, -27.4713, 18.2793

Details

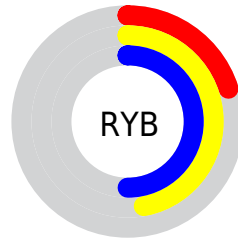
The XYZ color **9.9000, 16.4684, 6.9319** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **13.4161, 8.2890, 18.3458**, and the grayscale version is **11.4660, 12.0631, 13.1367**.

A 20% lighter version of the original color is **25.3140, 37.5633, 20.3843**, and **2.7970, 5.4778, 1.2907** is the 20% darker color. If you saturate the color by 10%, you get **9.0742, 16.0741, 5.4968**, and if you desaturate by 10%, it is **10.9681, 16.9812, 8.7124**.

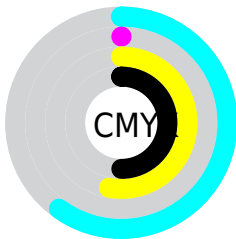
Distribution



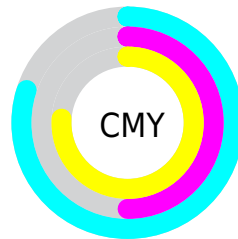
- Red (20%)
- Green (50%)
- Blue (24%)



- Red (20%)
- Yellow (47%)
- Blue (50%)



- Cyan (60%)
- Magenta (0%)
- Yellow (53%)
- Black (50%)





- Cyan (80%)
- Magenta (50%)
- Yellow (76%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 9.9000, 16.4684, 6.9319 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 9.9000, 16.4684, 6.9319 by changing the saturation by 10% instead.


 9.9000, 16.4684,
6.9319


 9.9000, 16.4684,
6.9319


184.0254,
232.0900, 176.7061


 5.3945, 9.8562,
3.3417


 25.2586, 37.4095,
20.3466


 2.5176, 5.3037,
1.2717

 36.8424, 52.5072,
31.0082


 0.9042, 2.4265,
0.0384

 51.5164, 71.2021,
44.8641

 0.0000, 0.8395,
0.0000

 69.6458, 93.8788,
62.3328

 0.0000, 0.0000,
0.0000

 91.5960, 120.9215,
83.8328

 117.7325,

152.7147, 109.7826

148.4205,
189.6427, 140.6009

■ 9.9000, 16.4684,
6.9319

■ 9.9000, 16.4684,
6.9319

■ 9.0742, 16.0741,
5.4968

■ 10.9681, 16.9812,
8.7124

■ 8.4705, 15.7869,
4.3836

■ 12.2942, 17.6187,
10.8576

■ 8.0671, 15.5966,
3.5678

■ 13.8944, 18.3893,
13.3865

■ 7.8055, 15.4734,
3.0259

■ 15.7828, 19.2999,
16.3167

■ 17.9727, 20.3571,
19.6644

■ 20.4765, 21.5667,
23.4453

■ 23.3060, 22.9347,
27.6740

■ 26.4723, 24.4665,
32.3644

■ 29.9860, 26.1672,
37.5301

Harmonies

Analogous

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



12.6580, 16.4684, 3.6422



9.9000, 16.4684, 6.9319



8.7271, 16.4684, 14.9825

Triad

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



9.9000, 16.4684, 6.9319



14.5860, 16.4684, 53.8074



24.7411, 16.4684, 10.2217

Complementary

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



9.9000, 16.4684, 6.9319



13.4161, 8.2890, 18.3458

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.



25.5189, 16.4684, 21.2436



9.9000, 16.4684, 6.9319



19.0860, 16.4684, 50.4977

Square

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



9.9000, 16.4684, 6.9319



11.0864, 16.4684, 44.5149



23.2889, 16.4684, 36.8628



21.3269, 16.4684, 4.8331

Rectangle

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



9.9000, 16.4684, 6.9319



8.8139, 16.4684, 23.6508



23.2889, 16.4684, 36.8628



25.3425, 16.4684, 13.2173

Sweetspot

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



9.9004, 16.4691, 6.9323



28.4201, 34.2846, 29.7004



15.9274, 19.6013, 6.0759



6.4417, 7.9246, 6.6272



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.



9.9004, 16.4691, 6.9323



15.5613, 28.1021, 8.9293



11.3123, 17.0339, 14.3673



4.2949, 4.8263, 4.7242



7.7397, 15.3424, 3.0019



0.0000, 0.0000, 0.0000

Inverse Universe

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



13.4161, 8.2890, 18.3458



22.3176, 12.3266, 30.8224



11.5535, 7.5439, 8.5373



4.4772, 4.4040, 5.3174



11.7849, 5.7337, 15.9890



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 9.9000, 16.4684, 6.9319 looks on a white background.

Color Contrast Check

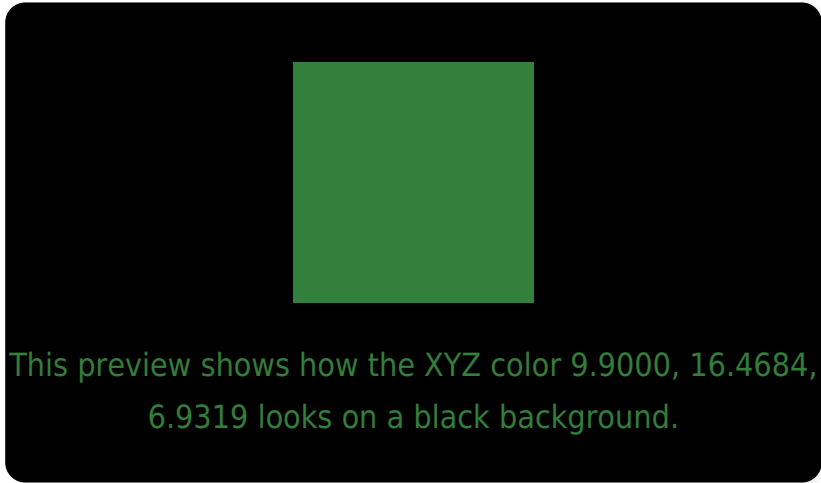
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black 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

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

XYZ 9.9000, 16.4684, 6.9319

Background



This preview shows how black text looks on a background with the XYZ color 9.9000, 16.4684, 6.9319.



This preview shows how white text looks on a background with the XYZ color 9.9000, 16.4684,

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

9.9000, 16.4684, 6.9319

Protanopia

14.7959, 16.1493, 5.9517

Deuteranopia

16.5284, 16.2154, 7.2598



Tritanopia

13.2000, 16.3099, 23.5715

Trichromacy



Original Color

9.9000, 16.4684, 6.9319

Protanomaly

12.1467, 15.7937, 6.2792

Deuteranomaly

12.9718, 15.6845, 7.0464

Tritanomaly

11.6194, 16.2100, 15.8810

Monochromacy



Original Color

9.9000, 16.4684, 6.9319

Achromatopsia

11.3621, 11.9538, 13.0177

Achromatomaly

10.2711, 13.0707, 10.3691

CSS Examples

Text

The CSS property to change the color of the text to XYZ 9.9000, 16.4684, 6.9319 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(51, 128, 60)` looks like.

```
.text, #text, p{  
    color:rgb(51, 128, 60)  
}
```

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(51, 128, 60) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 128, 60) }
```

Border

The CSS property to change the border of an element to XYZ 9.9000, 16.4684, 6.9319 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(51, 128, 60) }
```


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

```
.border{ border-color:rgb(51, 128, 60) }
```

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

Here you see how a box with a 4 pixel `rgb(51, 128, 60)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 128, 60); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 128, 60);  
box-shadow:4px 4px 4px 4px rgb(51, 128,  
60) }
```

Background

The CSS property to change the background color of an element to XYZ 9.9000, 16.4684, 6.9319 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 128, 60) }
```

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

```
.background{ background-color: rgb(51, 128,  
60) }
```

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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