

Converting Colors

XYZ(8.4394, 16.7084, 3.3389)

Have a look what the booklet for
XYZ(8.4394, 16.7084, 3.3389)
contains.

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Color

**XYZ(8.4967, 16.8187,
3.3708)**

Conversions

Conversions Part 1

Format	Color
Hex	008512
RGB	0, 133, 18
RGB Percent	0%, 52%, 7%
CMY	1.0000, 0.4784, 0.9294
CMYK	1.00, 0.00, 0.86, 0.48
HSL	128°, 100%, 26%
HSV	128°, 100%, 52%
XYZ	8.4967, 16.8187, 3.3708
YIQ	80.1230, -42.3530, -63.9610

Conversions

Conversions Part 2

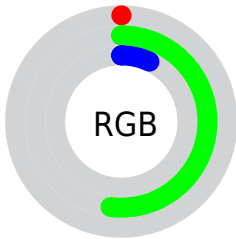
Format	Color
RYB	0, 117, 133
Decimal	34066
CIELab	48.03, -52.43, 47.60
CIELCh	48, 70.812, 137.764
Yxy	16.8187, 0.2962, 0.5863
Android (android.graphics.Color)	4278224146 (0xFF008512)
YUV	80.1230, -30.6266, -70.2679
Hunter-Lab	41.0106, -34.7864, 23.8342

Details

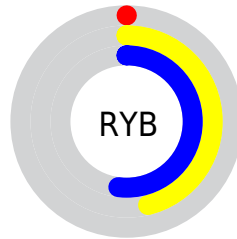
The XYZ color **8.4967, 16.8187, 3.3708** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **12.7675, 6.2245, 16.7471**, and the grayscale version is **7.7132, 8.1149, 8.8371**.

A 20% lighter version of the original color is **22.5402, 37.8607, 12.4232**, and **3.0173, 6.0346, 1.0058** is the 20% darker color. If you saturate the color by 10%, you get **8.4971, 16.8194, 3.3712**, and if you desaturate by 10%, it is **8.7864, 16.9548, 4.0050**.

Distribution



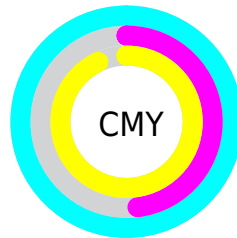
- Red (0%)
- Green (52%)
- Blue (7%)



- Red (0%)
- Yellow (46%)
- Blue (52%)



- Cyan (100%)
- Magenta (0%)
- Yellow (86%)
- Black (48%)



- Cyan (100%)
- Magenta (48%)
- Yellow (93%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 8.4967, 16.8187, 3.3708 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 8.4967, 16.8187, 3.3708 by changing the saturation by 10% instead.

■ 8.4967, 16.8187,
3.3708

■ 8.4967, 16.8187,
3.3708

173.8654,
234.1254, 140.9516

■ 4.4688, 10.1053,
1.2869

■ 22.6028, 38.0138,
12.5305

■ 1.9706, 5.4688,
0.0511

■ 33.4117, 53.2643,
20.4434

■ 0.6174, 2.5249,
0.0000

■ 47.2117, 72.1293,
31.1364

■ 0.0000, 0.8891,
0.0000


■ 64.3682, 94.9932,
45.0280


■ 0.0000, 0.0000,
0.0000


■ 85.2464, 122.2403,
62.5368


■ 110.2118,


154.2552, 84.0813


 139.6297,
191.4221, 110.0801


 8.4967, 16.8187,
3.3708


 8.4967, 16.8187,
3.3708


 8.4971, 16.8194,
3.3712

 8.7864, 16.9548,
4.0050

 9.2297, 17.1634,
4.9248

 9.8904, 17.4774,
6.1610

 10.7922, 17.9083,
7.7391

 11.9559, 18.4664,
9.6818

■ 13.3999, 19.1608,
12.0099

■ 15.1409, 19.9996,
14.7427

■ 17.1943, 20.9905,
17.8982

■ 19.5746, 22.1404,
21.4932

Harmonies

Analogous

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



12.5178, 16.8187, 1.0793



8.4967, 16.8187, 3.3708



6.7240, 16.8187, 11.8136

Triad

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



8.4967, 16.8187, 3.3708



13.5172, 16.8187, 78.8493



30.7996, 16.8187, 9.5282

Complementary

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



8.4967, 16.8187, 3.3708



12.7675, 6.2245, 16.7471

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.



31.2776, 16.8187, 26.8424



8.4967, 16.8187, 3.3708



20.0412, 16.8187, 76.5440

Square

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



8.4967, 16.8187, 3.3708



9.0593, 16.8187, 58.7544



26.9357, 16.8187, 53.6801



25.7648, 16.8187, 2.6514

Rectangle

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



8.4967, 16.8187, 3.3708



6.6308, 16.8187, 23.4977



26.9357, 16.8187, 53.6801



31.5391, 16.8187, 13.9528

Sweetspot

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



8.4971, 16.8194, 3.3712



26.8831, 35.7029, 26.0427



15.4935, 20.4388, 3.1285



5.7944, 7.9172, 5.4581



64.0503, 67.3860, 73.3833



8.9945, 9.4630, 10.3052

Same Dimension

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



8.4971, 16.8194, 3.3712



15.1799, 30.1046, 5.8465



9.9973, 17.4195, 11.2712



4.6401, 5.2143, 5.1160



8.0953, 16.0210, 3.2212



0.0296, 0.0561, 0.0192

Inverse Universe

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



12.7675, 6.2245, 16.7471



22.8211, 11.1295, 29.7678



10.2227, 5.2065, 3.3463



4.8315, 4.7523, 5.7250



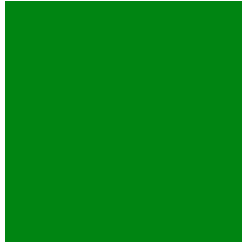
12.1630, 5.9295, 15.9625



0.0440, 0.0213, 0.0651

Previews

White Background



This preview shows how the XYZ color 8.4967, 16.8187, 3.3708 looks on a white background.

Color Contrast Check

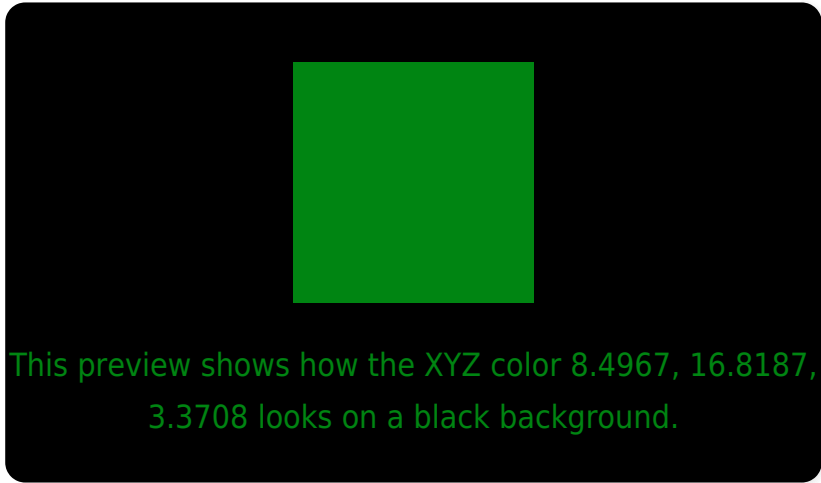
Large Text (above 18pt) WCAG AA ✓ Pass

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

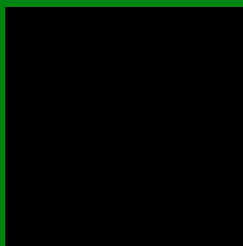
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 8.4967, 16.8187, 3.3708

Background



This preview shows how black text looks on a background with the XYZ color 8.4967, 16.8187, 3.3708.



This preview shows how white text looks on a background with the XYZ color 8.4967, 16.8187, 3.3708.

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

8.4967, 16.8187, 3.3708

Protanopia

14.9858, 16.6504, 2.7718

Deuteranopia

16.9648, 16.6746, 3.7632



Tritanopia

13.1416, 16.9773, 25.1386

Trichromacy



Original Color

8.4967, 16.8187, 3.3708



Protanomaly

10.3100, 15.4558, 2.8553



Deuteranomaly

10.8853, 15.0306, 3.4261



Tritanomaly

10.2487, 16.3265, 12.7364

Monochromacy



Original Color

8.4967, 16.8187, 3.3708



Achromatopsia

7.6249, 8.0220, 8.7359



Achromatomaly

6.5656, 9.9229, 5.4402

CSS Examples

Text

The CSS property to change the color of the text to XYZ 8.4967, 16.8187, 3.3708 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, 133, 18)` looks like.

```
.text, #text, p{  
    color:rgb(0, 133, 18)  
}
```

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, 133, 18) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 133, 18) }
```

Border

The CSS property to change the border of an element to XYZ 8.4967, 16.8187, 3.3708 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, 133, 18) }
```


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

```
.border{ border-color:rgb(0, 133, 18) }
```

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

Here you see how a box with a 4 pixel rgb(0, 133, 18) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 133, 18); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 133, 18);  
box-shadow:4px 4px 4px 4px rgb(0, 133, 18)  
}
```

Background

The CSS property to change the background color of an element to XYZ 8.4967, 16.8187, 3.3708 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 133, 18) }
```

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

```
.background{ background-color: rgb(0, 133,  
18) }
```

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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