

Converting Colors

XYZ(9.8012, 16.4412, 9.0391)

Have a look what the booklet for
XYZ(9.8012, 16.4412, 9.0391)
contains.

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Color

**XYZ(9.7211, 16.3315,
8.9433)**

Conversions

Conversions Part 1

Format	Color
Hex	268049
RGB	38, 128, 73
RGB Percent	15%, 50%, 29%
CMY	0.8510, 0.4980, 0.7137
CMYK	0.70, 0.00, 0.43, 0.50
HSL	143°, 54%, 33%
HSV	143°, 70%, 50%
XYZ	9.7211, 16.3315, 8.9433
YIQ	94.8200, -35.9850, -36.1850

Conversions

Conversions Part 2

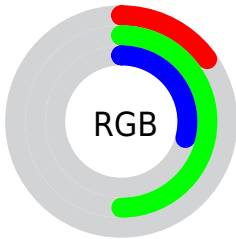
Format	Color
R_{YB}	38, 103, 128
Decimal	2523209
CIE _{Lab}	47.41, -39.48, 22.38
CIE _{LCh}	47, 45.380, 150.446
Yxy	16.3315, 0.2778, 0.4667
Android (android.graphics.Color)	4280713289 (0xFF268049)
YUV	94.8200, -10.7573, -49.8311
Hunter-Lab	40.4123, -27.7836, 15.1676

Details

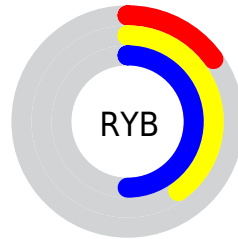
The XYZ color **9.7211, 16.3315, 8.9433** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **11.5715, 6.7660, 11.0523**, and the grayscale version is **10.8656, 11.4314, 12.4488**.

A 20% lighter version of the original color is **24.9601, 37.2939, 24.2953**, and **2.9340, 5.5326, 2.0119** is the 20% darker color. If you saturate the color by 10%, you get **9.0847, 16.0320, 7.6440**, and if you desaturate by 10%, it is **10.5533, 16.7291, 10.4229**.

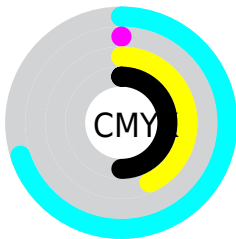
Distribution



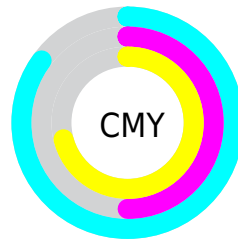
- Red (15%)
- Green (50%)
- Blue (29%)



- Red (15%)
- Yellow (40%)
- Blue (50%)



- Cyan (70%)
- Magenta (0%)
- Yellow (43%)
- Black (50%)





- Cyan (85%)
- Magenta (50%)
- Yellow (71%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 9.7211, 16.3315, 8.9433 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 9.7211, 16.3315, 8.9433 by changing the saturation by 10% instead.


 9.7211, 16.3315,
8.9433


 9.7211, 16.3315,
8.9433

182.7653,
231.2900, 193.1568


 5.2753, 9.7590,
4.6079


 24.9240, 37.1728,
24.3640


 2.4461, 5.2395,
1.9644

 36.4119, 52.2103,
36.2863


 0.8681, 2.3885,
0.5333

 50.9778, 70.8384,
51.5748

 0.0000, 0.8199,
0.0000

 68.9870, 93.4414,
70.6478

 0.0000, 0.0000,
0.0000

 90.8051, 120.4036,
93.9240

 116.7972,

152.1095, 121.8218

147.3289,
188.9435, 154.7600

■ 9.7211, 16.3315,
8.9433

■ 9.7211, 16.3315,
8.9433

■ 9.0847, 16.0320,
7.6440

■ 10.5533, 16.7291,
10.4229

■ 8.6242, 15.8191,
6.5166

■ 11.5964, 17.2310,
12.0883

■ 8.2905, 15.6674,
5.5799

■ 12.8650, 17.8452,
13.9462

■ 14.3722, 18.5783,
16.0028

■ 16.1302, 19.4363,
18.2638

■ 18.1500, 20.4250,
20.7346

■ 20.4423, 21.5496,
23.4207

■ 23.0169, 22.8152,
26.3271

■ 25.8832, 24.2265,
29.4588

Harmonies

Analogous

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



11.9249, 16.3315, 4.7082



9.7211, 16.3315, 8.9433



9.0033, 16.3315, 17.9552

Triad

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



9.7211, 16.3315, 8.9433



15.5829, 16.3315, 50.3901



23.1884, 16.3315, 8.7558

Complementary

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



9.7211, 16.3315, 8.9433



11.5715, 6.7660, 11.0523

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.



24.6095, 16.3315, 17.6104



9.7211, 16.3315, 8.9433



19.7797, 16.3315, 44.5205

Square

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



9.7211, 16.3315, 8.9433



12.0125, 16.3315, 44.8391



23.2672, 16.3315, 31.0940



19.6574, 16.3315, 4.6375

Rectangle

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



9.7211, 16.3315, 8.9433



9.3462, 16.3315, 26.6939



23.2672, 16.3315, 31.0940



23.9535, 16.3315, 11.1140

Sweetspot

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



9.7215, 16.3322, 8.9437



28.0127, 34.0306, 31.6700



12.6345, 17.9324, 4.6292



6.3859, 7.8831, 7.1958



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.



9.7215, 16.3322, 8.9437



15.5029, 27.9972, 12.3059



11.7594, 17.1473, 19.6749



4.3399, 4.8443, 4.9611



8.2209, 15.5349, 5.5360



0.0000, 0.0000, 0.0000

Inverse Universe

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



11.5715, 6.7660, 11.0523



18.9572, 10.0031, 16.1456



10.1395, 6.1932, 3.5118



4.4295, 4.3849, 5.0661



10.1992, 5.0994, 7.6387



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 9.7211, 16.3315, 8.9433 looks on a white background.

Color Contrast Check

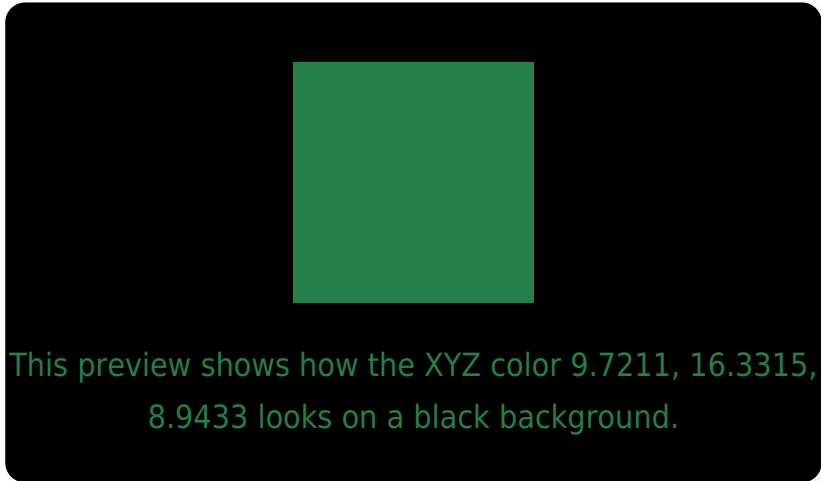
Large Text (above 18pt) WCAG AA ✓ Pass

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 9.7211, 16.3315, 8.9433

Background



This preview shows how black text looks on a background with the XYZ color 9.7211, 16.3315, 8.9433.



This preview shows how white text looks on a background with the XYZ color 9.7211, 16.3315,

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

9.7211, 16.3315, 8.9433

Protanopia

14.8333, 16.1312, 7.6420

Deuteranopia

16.3057, 16.0520, 9.4467



Tritanopia

12.7377, 16.2432, 23.9366

Trichromacy



Original Color

9.7211, 16.3315, 8.9433

Protanomaly

11.8670, 15.6107, 8.0179

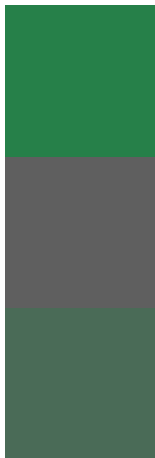
Deuteranomaly

12.4722, 15.3799, 9.1487

Tritanomaly

11.3874, 16.2449, 17.2873

Monochromacy



Original Color

9.7211, 16.3315, 8.9433

Achromatopsia

10.8771, 11.4435, 12.4620

Achromatomaly

9.8020, 12.6594, 10.9437

CSS Examples

Text

The CSS property to change the color of the text to XYZ 9.7211, 16.3315, 8.9433 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(38, 128, 73)` looks like.

```
.text, #text, p{  
    color:rgb(38, 128, 73)  
}
```

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(38, 128, 73) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(38, 128, 73) }
```

Border

The CSS property to change the border of an element to XYZ 9.7211, 16.3315, 8.9433 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(38, 128, 73) }
```


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

```
.border{ border-color:rgb(38, 128, 73) }
```

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

Here you see how a box with a 4 pixel rgb(38, 128, 73) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(38, 128, 73); -webkit-box-  
shadow:4px 4px 4px 4px rgb(38, 128, 73);  
box-shadow:4px 4px 4px 4px rgb(38, 128,  
73) }
```

Background

The CSS property to change the background color of an element to XYZ 9.7211, 16.3315, 8.9433 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(38, 128, 73) }
```

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

```
.background{ background-color: rgb(38, 128,  
73) }
```

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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