

Converting Colors

XYZ(15.9686, 28.8649, 8.3212)

Have a look what the booklet for
XYZ(15.9686, 28.8649, 8.3212)
contains.

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Color

**XYZ(16.0076, 28.9592,
8.3604)**

Conversions

Conversions Part 1

Format	Color
Hex	32A837
RGB	50, 168, 55
RGB Percent	20%, 66%, 22%
CMY	0.8039, 0.3412, 0.7843
CMYK	0.70, 0.00, 0.67, 0.34
HSL	123°, 54%, 43%
HSV	123°, 70%, 66%
XYZ	16.0076, 28.9592, 8.3604
YIQ	119.8360, -34.0550, -60.1590

Conversions

Conversions Part 2

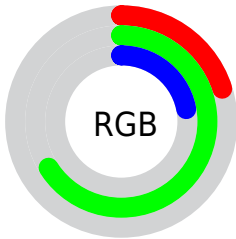
Format	Color
RYB	50, 163, 168
Decimal	3319863
CIELab	60.75, -54.68, 47.31
CIElCh	61, 72.307, 139.131
Yxy	28.9592, 0.3002, 0.5430
Android (android.graphics.Color)	4281509943 (0xFF32A837)
YUV	119.8360, -31.9641, -61.2462
Hunter-Lab	53.8138, -41.0769, 28.4584

Details

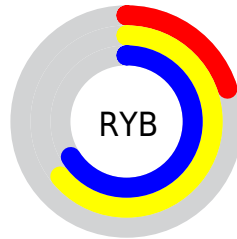
The XYZ color **16.0076, 28.9592, 8.3604** is a dark color, and the websafe version is hex **009933**. A complement of this color would be **23.9006, 13.2508, 35.9483**, and the grayscale version is **17.9075, 18.8401, 20.5169**.

A 20% lighter version of the original color is **36.1195, 57.8836, 23.1789**, and **6.1307, 12.2615, 2.0436** is the 20% darker color. If you saturate the color by 10%, you get **15.0016, 28.4790, 6.6184**, and if you desaturate by 10%, it is **17.4446, 29.6488, 10.7800**.

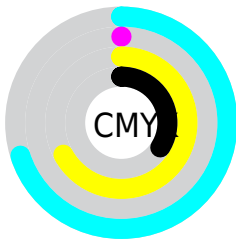
Distribution



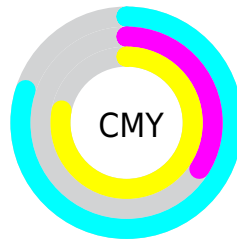
- Red (20%)
- Green (66%)
- Blue (22%)



- Red (20%)
- Yellow (64%)
- Blue (66%)



- Cyan (70%)
- Magenta (0%)
- Yellow (67%)
- Black (34%)





- Cyan (80%)
- Magenta (34%)
- Yellow (78%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 16.0076, 28.9592, 8.3604 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 16.0076, 28.9592, 8.3604 by changing the saturation by 10% instead.


 16.0076, 28.9592,
8.3604


 16.0076, 28.9592,
8.3604


222.6561,
297.0224, 188.5710


 9.6204, 19.0500,
4.2354


 36.1687, 58.0123,
23.2197


 5.2083, 11.7064,
1.7553


 50.6734, 77.9249,
34.7911


 2.4060, 6.5441,
0.3982


 68.6146, 101.9407,
49.6816

 0.8481, 3.1786,
0.0000

 90.3577, 130.4442,
68.3099

 0.0000, 1.2257,
0.0000

 116.2680,
163.8197, 91.0944

 0.0000, 0.0825,
0.0000

 146.7110,

 0.0000, 0.0000,

202.4517, 118.4538

0.0000

182.0519,
246.7244, 150.8064

■ 16.0076, 28.9592,
8.3604

■ 16.0076, 28.9592,
8.3604

■ 15.0016, 28.4790,
6.6184

■ 17.4446, 29.6488,
10.7800

■ 14.3767, 28.1813,
5.4834

■ 19.3514, 30.5639,
13.9348

■ 14.0422, 28.0220,
4.8732

■ 21.7649, 31.7233,
17.8786

■ 24.7176, 33.1428,
22.6594

■ 28.2395, 34.8367,
28.3215

■ 32.3582, 36.8185,
34.9062

■ 37.0997, 39.1007,
42.4521

■ 42.4881, 41.6950,
50.9954

■ 48.5467, 44.6127,
60.5708

Harmonies

Analogous

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



22.0233, 28.9592, 3.5688



16.0076, 28.9592, 8.3604



13.3320, 28.9592, 22.7539

Triad

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



16.0076, 28.9592, 8.3604



24.2596, 28.9592, 114.4132



48.3415, 28.9592, 17.4437

Complementary

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



16.0076, 28.9592, 8.3604



23.9006, 13.2508, 35.9483

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.



49.3278, 28.9592, 42.3183



16.0076, 28.9592, 8.3604



33.8739, 28.9592, 109.9222

Square

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



16.0076, 28.9592, 8.3604



17.3231, 28.9592, 88.9998



43.5543, 28.9592, 78.8918



41.1050, 28.9592, 6.3700

Rectangle

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



16.0076, 28.9592, 8.3604



13.2734, 28.9592, 40.4663



43.5543, 28.9592, 78.8918



49.4682, 28.9592, 24.0196

Sweetspot

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



16.0083, 28.9604, 8.3611



50.4556, 62.8351, 50.1294



29.9032, 36.1366, 8.4167



10.6154, 13.5117, 10.3133



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

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



16.0083, 28.9604, 8.3611



26.5402, 51.3523, 10.7889



18.2956, 29.8753, 20.4059



7.4492, 8.4127, 8.0854



10.6086, 21.1622, 3.7056



0.2620, 0.5164, 0.1107

Inverse Universe

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



23.9006, 13.2508, 35.9483



41.7268, 21.0417, 63.8127



19.8431, 11.6277, 14.5816



7.8280, 7.6610, 9.4113



17.0494, 8.2285, 26.1352



0.4189, 0.2018, 0.6572

Previews

White Background



This preview shows how the XYZ color 16.0076, 28.9592, 8.3604 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 16.0076, 28.9592, 8.3604 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 16.0076, 28.9592, 8.3604

Background



This preview shows how black text looks on a background with the XYZ color 16.0076, 28.9592, 8.3604.



This preview shows how white text looks on a background with the XYZ color 16.0076, 28.9592,

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

16.0076, 28.9592, 8.3604

Protanopia

25.9375, 28.5660, 7.0525

Deuteranopia

28.8650, 28.2619, 8.9348



Tritanopia

22.7923, 28.8101, 42.3898

Trichromacy



Original Color

16.0076, 28.9592, 8.3604



Protanomaly

20.1792, 27.4878, 7.3741



Deuteranomaly

21.2626, 26.8184, 8.4707



Tritanomaly

19.1669, 28.3503, 24.8840

Monochromacy



Original Color

16.0076, 28.9592, 8.3604



Achromatopsia

17.8524, 18.7821, 20.4537



Achromatomaly

15.7763, 21.1687, 14.3208

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.0076, 28.9592, 8.3604 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(50, 168, 55)` looks like.

```
.text, #text, p{  
    color:rgb(50, 168, 55)  
}
```

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(50, 168, 55) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(50, 168, 55) }
```

Border

The CSS property to change the border of an element to XYZ 16.0076, 28.9592, 8.3604 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(50, 168, 55) }
```


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

```
.border{ border-color:rgb(50, 168, 55) }
```

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

Here you see how a box with a 4 pixel `rgb(50, 168, 55)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(50, 168, 55); -webkit-box-  
shadow:4px 4px 4px 4px rgb(50, 168, 55);  
box-shadow:4px 4px 4px 4px rgb(50, 168,  
55) }
```

Background

The CSS property to change the background color of an element to XYZ 16.0076, 28.9592, 8.3604 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(50, 168, 55) }
```

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

```
.background{ background-color: rgb(50, 168,  
55) }
```

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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