

Converting Colors

XYZ(16.7468, 32.3308, 9.1668)

Have a look what the booklet for
XYZ(16.7468, 32.3308, 9.1668)
contains.

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Color

**XYZ(16.8586, 32.5356,
9.2624)**

Conversions

Conversions Part 1

Format	Color
Hex	00B339
RGB	0, 179, 57
RGB Percent	0%, 70%, 22%
CMY	1.0000, 0.2980, 0.7765
CMYK	1.00, 0.00, 0.68, 0.30
HSL	139°, 100%, 35%
HSV	139°, 100%, 70%
XYZ	16.8586, 32.5356, 9.2624
YIQ	111.5710, -67.5220, -75.8900

Conversions

Conversions Part 2

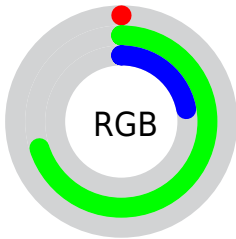
Format	Color
RYB	0, 136, 179
Decimal	45881
CIELab	63.78, -62.96, 49.60
CIELCh	64, 80.151, 141.772
Yxy	32.5356, 0.2874, 0.5547
Android (android.graphics.Color)	4278235961 (0xFF00B339)
YUV	111.5710, -26.9035, -97.8478
Hunter-Lab	57.0400, -47.0629, 30.3002

Details

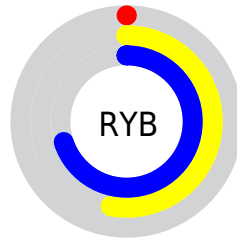
The XYZ color **16.8586, 32.5356, 9.2624** is a dark color, and the websafe version is hex **009900**. A complement of this color would be **22.1040, 10.9892, 19.3683**, and the grayscale version is **15.3665, 16.1667, 17.6056**.

A 20% lighter version of the original color is **37.6338, 63.6035, 25.0450**, and **7.2077, 14.4153, 2.4026** is the 20% darker color. If you saturate the color by 10%, you get **16.8594, 32.5369, 9.2631**, and if you desaturate by 10%, it is **17.4489, 32.8013, 11.0752**.

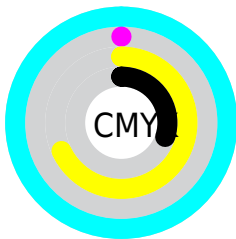
Distribution



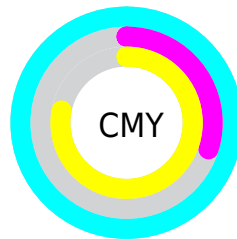
- Red (0%)
- Green (70%)
- Blue (22%)



- Red (0%)
- Yellow (53%)
- Blue (70%)



- Cyan (100%)
- Magenta (0%)
- Yellow (68%)
- Black (30%)





- Cyan (100%)
- Magenta (30%)
- Yellow (78%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 16.8586, 32.5356, 9.2624 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 16.8586, 32.5356, 9.2624 by changing the saturation by 10% instead.


 16.8586, 32.5356,
9.2624


 16.8586, 32.5356,
9.2624


227.5284,
313.5519, 195.6131


 10.2284, 21.7709,
4.8136


 37.6280, 63.6498,
24.9843


 5.6141, 13.6887,
2.0815


 52.4980, 84.7681,
37.0945


 2.6503, 7.9045,
0.6047


 70.8452, 110.1064,
52.5956

 0.9716, 4.0339,
0.0000

 93.0351, 140.0492,
71.9061

 0.0000, 1.6925,
0.0000

 119.4330,
174.9807, 95.4446

 0.0000, 0.4188,
0.0000

 150.4043,

 0.0000, 0.0000,

215.2854, 123.6295

0.0000

186.3143,
261.3476, 156.8795

■ 16.8586, 32.5356,
9.2624

■ 16.8586, 32.5356,
9.2624

■ 16.8594, 32.5369,
9.2631

■ 17.4489, 32.8013,
11.0752

■ 18.3418, 33.2131,
13.3084

■ 19.6288, 33.8186,
15.9899

■ 21.3550, 34.6405,
19.1431

■ 23.5592, 35.6984,
22.7896

■ 26.2756, 37.0095,
26.9496

■ 29.5354, 38.5894,
31.6423

■ 33.3668, 40.4525,
36.8857

■ 37.7965, 42.6121,
42.6970

Harmonies

Analogous

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



23.5774, 32.5356, 3.4232



16.8586, 32.5356, 9.2624



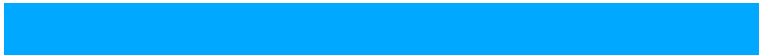
14.0810, 32.5356, 27.2817

Triad

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



16.8586, 32.5356, 9.2624



27.9316, 32.5356, 138.8506



55.6641, 32.5356, 17.0634

Complementary

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



16.8586, 32.5356, 9.2624



22.1040, 10.9892, 19.3683

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.



57.6399, 32.5356, 45.0479



16.8586, 32.5356, 9.2624



39.6574, 32.5356, 129.6649

Square

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



16.8586, 32.5356, 9.2624



19.3811, 32.5356, 109.7346



51.2094, 32.5356, 89.2215



46.3265, 32.5356, 5.6492

Rectangle

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



16.8586, 32.5356, 9.2624



14.2189, 32.5356, 49.6206



51.2094, 32.5356, 89.2215



57.2890, 32.5356, 24.2344

Sweetspot

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



16.8594, 32.5369, 9.2631



52.5747, 68.9545, 56.2186



24.1920, 36.4024, 5.7513



11.0866, 15.0046, 11.6576



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



16.8594, 32.5369, 9.2631



30.1032, 58.2344, 16.1141



21.3235, 34.3226, 32.7711



8.4968, 9.5332, 9.6098



11.9398, 23.0019, 6.6857



0.4029, 0.7346, 0.3538

Inverse Universe

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



22.1040, 10.9892, 19.3683



39.4797, 19.6381, 34.1267



18.8631, 9.6929, 2.3022



8.7326, 8.5997, 10.0902



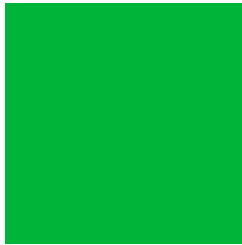
15.6497, 7.7774, 13.8469



0.5175, 0.2548, 0.5679

Previews

White Background



This preview shows how the XYZ color 16.8586, 32.5356, 9.2624 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 16.8586, 32.5356, 9.2624 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 ✓ Pass

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

XYZ 16.8586, 32.5356, 9.2624

Background



This preview shows how black text looks on a background with the XYZ color 16.8586, 32.5356, 9.2624.



This preview shows how white text looks on a background with the XYZ color 16.8586, 32.5356,

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

16.8586, 32.5356, 9.2624

Protanopia

29.1446, 32.1121, 7.6798

Deuteranopia

32.5575, 31.9223, 9.9145



Tritanopia

24.9069, 32.3901, 48.6552

Trichromacy



Original Color

16.8586, 32.5356, 9.2624



Protanomaly

20.0465, 29.7026, 8.0448



Deuteranomaly

21.0374, 28.8888, 9.3178



Tritanomaly

20.1336, 31.4842, 28.3085

Monochromacy



Original Color

16.8586, 32.5356, 9.2624



Achromatopsia

15.4009, 16.2029, 17.6450



Achromatomaly

13.3345, 19.7206, 13.2289

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.8586, 32.5356, 9.2624 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, 179, 57)` looks like.

```
.text, #text, p{  
    color:rgb(0, 179, 57)  
}
```

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, 179, 57) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 179, 57) }
```

Border

The CSS property to change the border of an element to XYZ 16.8586, 32.5356, 9.2624 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, 179, 57) }
```


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

```
.border{ border-color:rgb(0, 179, 57) }
```

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

Here you see how a box with a 4 pixel rgb(0, 179, 57) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 179, 57); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 179, 57);  
box-shadow:4px 4px 4px 4px rgb(0, 179, 57)  
}
```

Background

The CSS property to change the background color of an element to XYZ 16.8586, 32.5356, 9.2624 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 179, 57) }
```

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

```
.background{ background-color: rgb(0, 179,  
57) }
```

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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