

Converting Colors

XYZ(16.2939, 27.7839, 9.5493)

Have a look what the booklet for
XYZ(16.2939, 27.7839, 9.5493)
contains.

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Color

**XYZ(16.2313, 27.6999,
9.4922)**

Conversions

Conversions Part 1

Format	Color
Hex	41A341
RGB	65, 163, 65
RGB Percent	25%, 64%, 25%
CMY	0.7451, 0.3608, 0.7451
CMYK	0.60, 0.00, 0.60, 0.36
HSL	120°, 43%, 45%
HSV	120°, 60%, 64%
XYZ	16.2313, 27.6999, 9.4922
YIQ	122.5260, -26.9500, -51.2540

Conversions

Conversions Part 2

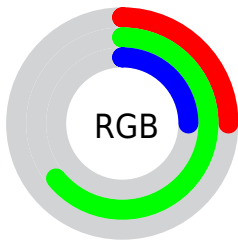
Format	Color
RYB	65, 163, 163
Decimal	4301633
CIELab	59.62, -48.53, 41.69
CIElCh	60, 63.982, 139.336
Yxy	27.6999, 0.3038, 0.5185
Android (android.graphics.Color)	4282491713 (0xFF41A341)
YUV	122.5260, -28.3603, -50.4503
Hunter-Lab	52.6307, -37.0543, 26.1482

Details

The XYZ color **16.2313, 27.6999, 9.4922** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **23.6061, 14.2118, 36.1494**, and the grayscale version is **18.7679, 19.7453, 21.5027**.

A 20% lighter version of the original color is **36.6523, 56.1349, 25.4263**, and **5.6363, 11.1760, 2.1767** is the 20% darker color. If you saturate the color by 10%, you get **14.8981, 27.0603, 7.3110**, and if you desaturate by 10%, it is **18.0135, 28.5568, 12.4069**.

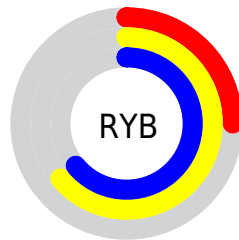
Distribution



Red (25%)

Green (64%)

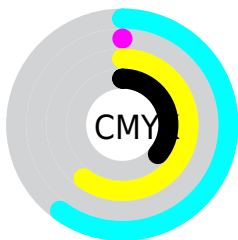
Blue (25%)



Red (25%)

Yellow (64%)

Blue (64%)

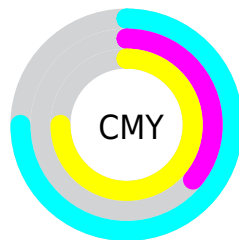


Cyan (60%)

Magenta (0%)

Yellow (60%)

Black (36%)



Cyan (75%)

Magenta (36%)

Yellow (75%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.2313, 27.6999, 9.4922 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 16.2313, 27.6999, 9.4922 by changing the saturation by 10% instead.

■ 16.2313, 27.6999,
9.4922

■ 16.2313, 27.6999,
9.4922

223.9464,
291.0301, 197.3597

■ 9.7799, 18.0996,
4.9624

■ 36.5535, 56.0050,
25.4286

■ 5.3144, 11.0215,
2.1669

■ 51.1550, 75.4785,
37.6723

■ 2.4695, 6.0813,
0.6552

■ 69.2038, 99.0118,
53.3244

■ 0.8799, 2.8946,
0.0000

■ 91.0654, 126.9894,
72.8034

■ 0.0000, 1.0769,
0.0000

■ 117.1051,
159.7957, 96.5279

■ 0.0000, 0.0000,
0.0000

147.6883,

197.8149, 124.9165

183.1803,
241.4316, 158.3875

■ 16.2313, 27.6999,
9.4922

■ 16.2313, 27.6999,
9.4922

■ 14.8981, 27.0603,
7.3110

■ 18.0135, 28.5568,
12.4069

■ 13.9721, 26.6156,
5.7963

■ 20.2777, 29.6444,
16.1104

■ 13.4075, 26.3443,
4.8726

■ 23.0560, 30.9790,
20.6549

■ 13.0978, 26.1956,
4.3661

■ 26.3775, 32.5745,
26.0876

■ 30.2687, 34.4436,
32.4523

■ 34.7546, 36.5984,
39.7898

■ 39.8588, 39.0502,
48.1384

■ 45.6034, 41.8097,
57.5346

■ 52.0096, 44.8869,
68.0128

Harmonies

Analogous

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



21.5207, 27.6999, 4.6685



16.2313, 27.6999, 9.4922



13.8414, 27.6999, 22.6669

Triad

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



16.2313, 27.6999, 9.4922



23.5617, 27.6999, 98.2266



43.8354, 27.6999, 17.7177

Complementary

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



16.2313, 27.6999, 9.4922



23.6061, 14.2118, 36.1494

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.



44.6933, 27.6999, 39.1466



16.2313, 27.6999, 9.4922



31.8024, 27.6999, 94.4580

Square

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



16.2313, 27.6999, 9.4922



17.4619, 27.6999, 77.9374



39.9270, 27.6999, 69.3351



37.7787, 27.6999, 7.4607

Rectangle

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



16.2313, 27.6999, 9.4922



13.8007, 27.6999, 37.9523



39.9270, 27.6999, 69.3351



44.7822, 27.6999, 23.5155

Sweetspot

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



16.2320, 27.7011, 9.4928



48.4088, 58.8982, 48.6340



29.1568, 34.3641, 10.0972



10.4653, 13.0327, 10.2571



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

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



16.2320, 27.7011, 9.4928



26.0716, 48.1685, 12.0974



18.3151, 28.5343, 20.4624



6.9856, 7.8950, 7.5359



10.1790, 20.3579, 3.3931



0.2139, 0.4278, 0.0713

Inverse Universe

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



23.6061, 14.2118, 36.1494



40.4670, 21.8356, 64.1347



20.0326, 12.7824, 17.3315



7.3643, 7.2022, 8.9050



16.8763, 8.1066, 27.6031



0.3546, 0.1703, 0.5800

Previews

White Background



This preview shows how the XYZ color 16.2313, 27.6999, 9.4922 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 16.2313, 27.6999, 9.4922 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 16.2313, 27.6999, 9.4922

Background



This preview shows how black text looks on a background with the XYZ color 16.2313, 27.6999, 9.4922.



This preview shows how white text looks on a background with the XYZ color 16.2313, 27.6999,

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

16.2313, 27.6999, 9.4922

Protanopia

24.9100, 27.3316, 8.1003

Deuteranopia

27.6860, 27.2033, 10.0949



Tritanopia

22.3026, 27.6229, 39.7536

Trichromacy



Original Color

16.2313, 27.6999, 9.4922



Protanomaly

20.2061, 26.5096, 8.4668



Deuteranomaly

21.3760, 26.1509, 9.7153



Tritanomaly

19.3277, 27.4044, 25.0398

Monochromacy



Original Color

16.2313, 27.6999, 9.4922



Achromatopsia

18.8265, 19.8069, 21.5697



Achromatomaly

16.9662, 21.9610, 15.9151

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.2313, 27.6999, 9.4922 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(65, 163, 65)` looks like.

```
.text, #text, p{  
    color:rgb(65, 163, 65)  
}
```

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(65, 163, 65) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(65, 163, 65) }
```

Border

The CSS property to change the border of an element to XYZ 16.2313, 27.6999, 9.4922 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(65, 163, 65) }
```


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

```
.border{ border-color:rgb(65, 163, 65) }
```

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

Here you see how a box with a 4 pixel `rgb(65, 163, 65)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(65, 163, 65); -webkit-box-  
shadow:4px 4px 4px 4px rgb(65, 163, 65);  
box-shadow:4px 4px 4px 4px rgb(65, 163,  
65) }
```

Background

The CSS property to change the background color of an element to XYZ 16.2313, 27.6999, 9.4922 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(65, 163, 65) }
```

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

```
.background{ background-color: rgb(65, 163,  
65) }
```

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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