

Converting Colors

XYZ(16.2949, 30.0657, 9.2829)

Have a look what the booklet for
XYZ(16.2949, 30.0657, 9.2829)
contains.

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Color

**XYZ(16.3675, 30.2434,
9.2499)**

Conversions

Conversions Part 1

Format	Color
Hex	26AC3C
RGB	38, 172, 60
RGB Percent	15%, 67%, 24%
CMY	0.8510, 0.3255, 0.7647
CMYK	0.78, 0.00, 0.65, 0.33
HSL	130°, 64%, 41%
HSV	130°, 78%, 67%
XYZ	16.3675, 30.2434, 9.2499
YIQ	119.1660, -43.9120, -63.2400

Conversions

Conversions Part 2

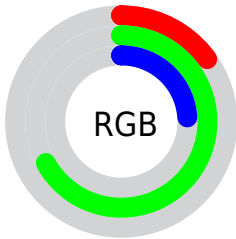
Format	Color
RYB	38, 153, 172
Decimal	2534460
CIELab	61.86, -57.44, 46.33
CIELCh	62, 73.798, 141.115
Yxy	30.2434, 0.2930, 0.5414
Android (android.graphics.Color)	4280724540 (0xFF26AC3C)
YUV	119.1660, -29.1688, -71.1826
Hunter-Lab	54.9940, -43.1137, 28.5233

Details

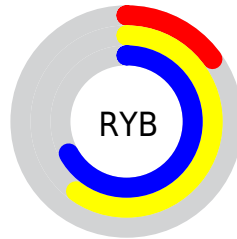
The XYZ color **16.3675, 30.2434, 9.2499** is a dark color, and the websafe version is hex **009933**. A complement of this color would be **23.2122, 12.3594, 30.0168**, and the grayscale version is **17.6874, 18.6086, 20.2647**.

A 20% lighter version of the original color is **36.8878, 60.2726, 25.0188**, and **6.4784, 12.9569, 2.1595** is the 20% darker color. If you saturate the color by 10%, you get **15.5440, 29.8579, 7.4903**, and if you desaturate by 10%, it is **17.5886, 30.8238, 11.5684**.

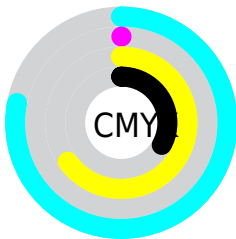
Distribution



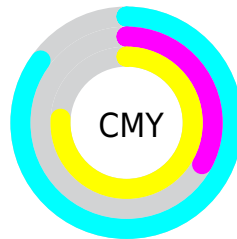
- Red (15%)
- Green (67%)
- Blue (24%)



- Red (15%)
- Yellow (60%)
- Blue (67%)



- Cyan (78%)
- Magenta (0%)
- Yellow (65%)
- Black (33%)





- Cyan (85%)
- Magenta (33%)
- Yellow (76%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 16.3675, 30.2434, 9.2499 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 16.3675, 30.2434, 9.2499 by changing the saturation by 10% instead.


 16.3675, 30.2434,
9.2499


 16.3675, 30.2434,
9.2499


224.7286,
303.0374, 195.5175


 9.8771, 20.0234,
4.8055


 36.7874, 60.0469,
24.9601


 5.3792, 12.4121,
2.0769


 51.4475, 80.3992,
37.0630


 2.5084, 7.0250,
0.6019


 69.5616, 104.8977,
52.5558

 0.8995, 3.4777,
0.0000

 91.4949, 133.9268,
71.8571

 0.0000, 1.3859,
0.0000

 117.6130,
167.8709, 95.3854

 0.0000, 0.2063,
0.0000

148.2810,

 0.0000, 0.0000,

207.1145, 123.5592

0.0000

183.8645,
252.0418, 156.7970

■ 16.3675, 30.2434,
9.2499

■ 16.3675, 30.2434,
9.2499

■ 15.5440, 29.8579,
7.4903

■ 17.5886, 30.8238,
11.5684

■ 15.0489, 29.6298,
6.2397

■ 19.2486, 31.6167,
14.4857

■ 14.9656, 29.5913,
6.0368

■ 21.3858, 32.6420,
18.0401

■ 24.0337, 33.9162,
22.2665

■ 27.2227, 35.4544,
27.1969

■ 30.9809, 37.2703,
32.8615

■ 35.3343, 39.3768,
39.2886

■ 40.3073, 41.7859,
46.5051

■ 45.9232, 44.5091,
54.5365

Harmonies

Analogous

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



22.4414, 30.2434, 3.8080



16.3675, 30.2434, 9.2499



13.7862, 30.2434, 25.2340

Triad

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



16.3675, 30.2434, 9.2499



25.9150, 30.2434, 121.0001



50.3109, 30.2434, 16.9852

Complementary

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



16.3675, 30.2434, 9.2499



23.2122, 12.3594, 30.0168

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.



51.8447, 30.2434, 42.0502



16.3675, 30.2434, 9.2499



36.1316, 30.2434, 114.0091

Square

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



16.3675, 30.2434, 9.2499



18.4093, 30.2434, 95.8699



46.1761, 30.2434, 80.1390



42.3679, 30.2434, 6.1661

Rectangle

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



16.3675, 30.2434, 9.2499



13.8648, 30.2434, 44.5472



46.1761, 30.2434, 80.1390



51.6551, 30.2434, 23.5314

Sweetspot

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



16.3682, 30.2446, 9.2506



52.3175, 65.7336, 53.7878



28.0337, 36.3123, 7.3653



10.8685, 14.0433, 10.9297



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



16.3682, 30.2446, 9.2506



27.5472, 53.8642, 11.9596



19.2607, 31.4017, 24.4824



7.9562, 8.9600, 8.7941



11.1506, 22.0255, 4.5666



0.3260, 0.6191, 0.2105

Inverse Universe

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



23.2122, 12.3594, 30.0168



40.3545, 19.9968, 50.5249



19.3429, 10.8117, 9.6413



8.2797, 8.1251, 9.7839



16.4102, 8.0266, 20.3376



0.4713, 0.2292, 0.6437

Previews

White Background



This preview shows how the XYZ color 16.3675, 30.2434, 9.2499 looks on a white background.

Color Contrast Check

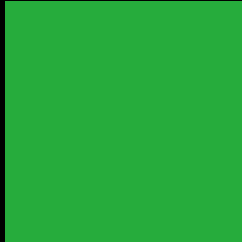
Large Text (above 18pt) WCAG AA × Fail

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 16.3675, 30.2434, 9.2499 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

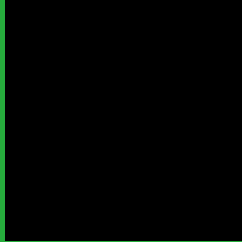
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 16.3675, 30.2434, 9.2499

Background



This preview shows how black text looks on a background with the XYZ color 16.3675, 30.2434, 9.2499.



This preview shows how white text looks on a background with the XYZ color 16.3675, 30.2434,

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

16.3675, 30.2434, 9.2499

Protanopia

27.1159, 29.8589, 7.7023

Deuteranopia

30.1588, 29.5592, 9.9103



Tritanopia

23.4454, 30.1235, 44.6231

Trichromacy



Original Color

16.3675, 30.2434, 9.2499



Protanomaly

20.3785, 28.3214, 8.1339



Deuteranomaly

21.4175, 27.5956, 9.3519



Tritanomaly

19.7387, 29.6605, 26.8750

Monochromacy



Original Color

16.3675, 30.2434, 9.2499



Achromatopsia

17.5343, 18.4475, 20.0893



Achromatomaly

15.5095, 21.2325, 14.8361

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.3675, 30.2434, 9.2499 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, 172, 60)` looks like.

```
.text, #text, p{  
    color:rgb(38, 172, 60)  
}
```

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, 172, 60) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(38, 172, 60) }
```

Border

The CSS property to change the border of an element to XYZ 16.3675, 30.2434, 9.2499 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, 172, 60) }
```


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

```
.border{ border-color:rgb(38, 172, 60) }
```

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

Here you see how a box with a 4 pixel rgb(38, 172, 60) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(38, 172, 60); -webkit-box-  
shadow:4px 4px 4px 4px rgb(38, 172, 60);  
box-shadow:4px 4px 4px 4px rgb(38, 172,  
60) }
```

Background

The CSS property to change the background color of an element to XYZ 16.3675, 30.2434, 9.2499 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(38, 172, 60) }
```

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

```
.background{ background-color: rgb(38, 172,  
60) }
```

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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