

Converting Colors

XYZ(11.6666, 27.0303, 13.6774)

Have a look what the booklet for
XYZ(11.6666, 27.0303, 13.6774)
contains.

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Color

**XYZ(16.0950, 29.4376,
13.8505)**

Conversions

Conversions Part 1

Format	Color
Hex	00AA57
RGB	0, 170, 87
RGB Percent	0%, 67%, 34%
CMY	1.0000, 0.3333, 0.6588
CMYK	1.00, 0.00, 0.49, 0.33
HSL	151°, 100%, 33%
HSV	151°, 100%, 67%
XYZ	16.0950, 29.4376, 13.8505
YIQ	109.7080, -74.6770, -61.8530

Conversions

Conversions Part 2

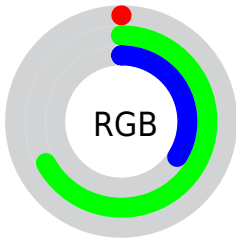
Format	Color
RYB	0, 112, 170
Decimal	43607
CIELab	61.17, -55.99, 32.46
CIELCh	61, 64.718, 149.897
Yxy	29.4376, 0.2710, 0.4957
Android (android.graphics.Color)	4278233687 (0xFF00AA57)
YUV	109.7080, -11.1950, -96.2139
Hunter-Lab	54.2564, -41.9973, 22.8440

Details

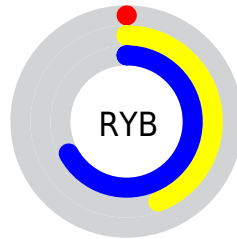
The XYZ color **16.0950, 29.4376, 13.8505** is a dark color, and the websafe version is hex **009933**. A complement of this color would be **18.1398, 9.1711, 8.9988**, and the grayscale version is **14.7845, 15.5544, 16.9388**.

A 20% lighter version of the original color is **36.4702, 59.0485, 33.5201**, and **6.6116, 12.6373, 4.0102** is the 20% darker color. If you saturate the color by 10%, you get **16.0956, 29.4387, 13.8508**, and if you desaturate by 10%, it is **16.6859, 29.7016, 15.7522**.

Distribution



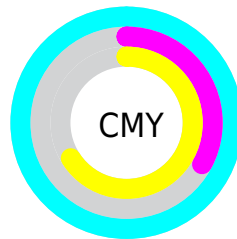
- Red (0%)
- Green (67%)
- Blue (34%)



- Red (0%)
- Yellow (44%)
- Blue (67%)



- Cyan (100%)
- Magenta (0%)
- Yellow (49%)
- Black (33%)



- Cyan (100%)
- Magenta (33%)
- Yellow (66%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.0950, 29.4376, 13.8505 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 16.0950, 29.4376, 13.8505 by changing the saturation by 10% instead.

■ 16.0950, 29.4376,
13.8505

■ 16.0950, 29.4376,
13.8505

223.1610,
299.2741, 227.6948

■ 9.6827, 19.4121,
7.8792

■ 36.3192, 58.7716,
33.5368

■ 5.2497, 11.9684,
3.9311

■ 50.8617, 78.8490,
48.0889

■ 2.4308, 6.7222,
1.5876

■ 68.8451, 103.0457,
66.3384

■ 0.8605, 3.2890,
0.2820

■ 90.6345, 131.7462,
88.7037

■ 0.0000, 1.2844,
0.0000

■ 116.5955,
165.3349, 115.6035

■ 0.0000, 0.1291,
0.0000

■ 147.0934,

■ 0.0000, 0.0000,

204.1962, 147.4562

0.0000

182.4934,
248.7145, 184.6805

■ 16.0950, 29.4376,
13.8505

■ 16.0950, 29.4376,
13.8505

■ 16.0956, 29.4387,
13.8508

■ 16.6859, 29.7016,
15.7522

■ 17.5137, 30.0822,
17.8745

■ 18.6600, 30.6222,
20.2281

■ 20.1621, 31.3407,
22.8207

■ 22.0516, 32.2540,
25.6597

■ 24.3567, 33.3762,
28.7517

■ 27.1028, 34.7205,
32.1034

■ 30.3129, 36.2987,
35.7211

■ 34.0088, 38.1217,
39.6107

Harmonies

Analogous

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



20.6028, 29.4376, 6.1988



16.0950, 29.4376, 13.8505



14.6189, 29.4376, 31.9683

Triad

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



16.0950, 29.4376, 13.8505



27.9501, 29.4376, 105.2696



44.6612, 29.4376, 13.9341

Complementary

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



16.0950, 29.4376, 13.8505



18.1398, 9.1711, 8.9988

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.



47.6959, 29.4376, 32.1369



16.0950, 29.4376, 13.8505



36.9353, 29.4376, 92.1069

Square

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



16.0950, 29.4376, 13.8505



20.5613, 29.4376, 91.9366



44.6210, 29.4376, 61.7022



36.9967, 29.4376, 6.2270

Rectangle

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



16.0950, 29.4376, 13.8505



15.2605, 29.4376, 50.7520



44.6210, 29.4376, 61.7022



46.3182, 29.4376, 18.6237

Sweetspot

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



16.0957, 29.4388, 13.8512



48.8796, 62.8502, 57.9014



18.1220, 30.6821, 4.9672



10.4272, 13.7840, 12.3463



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.



16.0957, 29.4388, 13.8512



29.0922, 53.3672, 24.5482



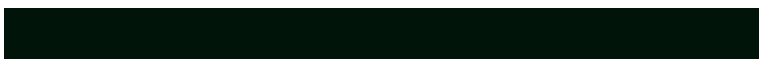
21.6313, 31.6530, 43.0013



7.5910, 8.4694, 8.8321



11.8679, 21.6659, 10.3373



0.3145, 0.5374, 0.3870

Inverse Universe

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



18.1398, 9.1711, 8.9988



32.8020, 16.5954, 15.7503



16.5783, 8.5465, 0.7760



7.6780, 7.6011, 8.6216



13.3713, 6.7572, 6.7666



0.3513, 0.1748, 0.3012

Previews

White Background



This preview shows how the XYZ color 16.0950, 29.4376, 13.8505 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 16.0950, 29.4376, 13.8505 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 16.0950, 29.4376, 13.8505

Background



This preview shows how black text looks on a background with the XYZ color 16.0950, 29.4376, 13.8505.



This preview shows how white text looks on a background with the XYZ color 16.0950, 29.4376,

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

16.0950, 29.4376, 13.8505

Protanopia

26.7453, 29.1133, 11.6069

Deuteranopia

29.5299, 28.9114, 14.6137



Tritanopia

22.2936, 29.2826, 44.0123

Trichromacy



Original Color

16.0950, 29.4376, 13.8505



Protanomaly

18.8379, 26.9355, 12.1888



Deuteranomaly

19.7650, 26.3993, 13.9514



Tritanomaly

19.0724, 28.9753, 30.1788

Monochromacy



Original Color

16.0950, 29.4376, 13.8505



Achromatopsia

14.8208, 15.5926, 16.9804



Achromatomaly

13.1753, 18.7639, 15.4978

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.0950, 29.4376, 13.8505 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, 170, 87)` looks like.

```
.text, #text, p{  
    color:rgb(0, 170, 87)  
}
```

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, 170, 87) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 170, 87) }
```

Border

The CSS property to change the border of an element to XYZ 16.0950, 29.4376, 13.8505 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, 170, 87) }
```


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

```
.border{ border-color:rgb(0, 170, 87) }
```

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

Here you see how a box with a 4 pixel rgb(0, 170, 87) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 170, 87); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 170, 87);  
box-shadow:4px 4px 4px 4px rgb(0, 170, 87)  
}
```

Background

The CSS property to change the background color of an element to XYZ 16.0950, 29.4376, 13.8505 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 170, 87) }
```

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

```
.background{ background-color: rgb(0, 170,  
87) }
```

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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