

Converting Colors

XYZ(16.0444, 29.6219, 12.9528)

Have a look what the booklet for
XYZ(16.0444, 29.6219, 12.9528)
contains.

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Color

**XYZ(16.0859, 29.7350,
12.8743)**

Conversions

Conversions Part 1

Format	Color
Hex	00AB52
RGB	0, 171, 82
RGB Percent	0%, 67%, 32%
CMY	1.0000, 0.3294, 0.6784
CMYK	1.00, 0.00, 0.52, 0.33
HSL	149°, 100%, 34%
HSV	149°, 100%, 67%
XYZ	16.0859, 29.7350, 12.8743
YIQ	109.7250, -73.3470, -63.9310

Conversions

Conversions Part 2

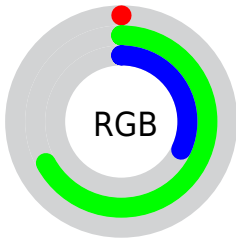
Format	Color
RYB	0, 116, 171
Decimal	43858
CIELab	61.42, -57.16, 35.33
CIELCh	61, 67.194, 148.281
Yxy	29.7350, 0.2741, 0.5066
Android (android.graphics.Color)	4278233938 (0xFF00AB52)
YUV	109.7250, -13.6684, -96.2288
Hunter-Lab	54.5298, -42.7710, 24.1727

Details

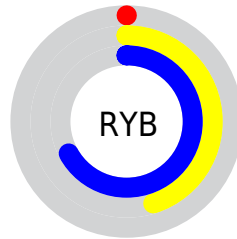
The XYZ color **16.0859, 29.7350, 12.8743** is a dark color, and the websafe version is hex **009933**. A complement of this color would be **18.5988, 9.3798, 10.2829**, and the grayscale version is **14.7962, 15.5667, 16.9521**.

A 20% lighter version of the original color is **36.3907, 59.4556, 31.7484**, and **6.6358, 12.8324, 3.5660** is the 20% darker color. If you saturate the color by 10%, you get **16.0864, 29.7361, 12.8743**, and if you desaturate by 10%, it is **16.6807, 30.0007, 14.7872**.

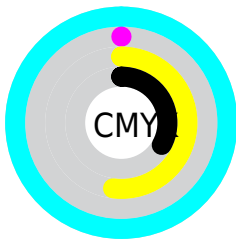
Distribution



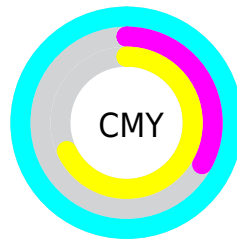
- Red (0%)
- Green (67%)
- Blue (32%)



- Red (0%)
- Yellow (45%)
- Blue (67%)



- Cyan (100%)
- Magenta (0%)
- Yellow (52%)
- Black (33%)





- Cyan (100%)
- Magenta (33%)
- Yellow (68%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 16.0859, 29.7350, 12.8743 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 16.0859, 29.7350, 12.8743 by changing the saturation by 10% instead.


 16.0859, 29.7350,
12.8743


 16.0859, 29.7350,
12.8743


223.1085,
300.6673, 221.2900


 9.6762, 19.6375,
7.2123


 36.3035, 59.2428,
31.7656


 5.2454, 12.1318,
3.5148


 50.8421, 79.4220,
45.8321


 2.4282, 6.8335,
1.3631


 68.8211, 103.7305,
63.5371

 0.8592, 3.3582,
0.1127

 90.6057, 132.5528,
85.2993

 0.0000, 1.3215,
0.0000

 116.5615,
166.2732, 111.5371

 0.0000, 0.1577,
0.0000

 147.0536,

 0.0000, 0.0000,

205.2762, 142.6691

0.0000

182.4475,
249.9461, 179.1139

■ 16.0859, 29.7350,
12.8743

■ 16.0859, 29.7350,
12.8743

■ 16.0864, 29.7361,
12.8743

■ 16.6807, 30.0007,
14.7872

■ 17.5207, 30.3868,
16.9486

■ 18.6886, 30.9365,
19.3709

■ 20.2224, 31.6692,
22.0634

■ 22.1546, 32.6015,
25.0348

■ 24.5139, 33.7481,
28.2934

■ 27.3262, 35.1222,
31.8470

■ 30.6155, 36.7359,
35.7032

■ 34.4036, 38.6005,
39.8692

Harmonies

Analogous

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



20.9210, 29.7350, 5.5866



16.0859, 29.7350, 12.8743



14.4024, 29.7350, 30.9318

Triad

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



16.0859, 29.7350, 12.8743



27.7532, 29.7350, 109.9561



46.1189, 29.7350, 14.2974

Complementary

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



16.0859, 29.7350, 12.8743



18.5988, 9.3798, 10.2829

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.



48.9902, 29.7350, 33.8652



16.0859, 29.7350, 12.8743



37.1466, 29.7350, 97.3364

Square

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



16.0859, 29.7350, 12.8743



20.2035, 29.7350, 94.3132



45.4127, 29.7350, 65.4834



38.2211, 29.7350, 6.0536

Rectangle

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



16.0859, 29.7350, 12.8743



14.9541, 29.7350, 50.2612



45.4127, 29.7350, 65.4834



47.7683, 29.7350, 19.3344

Sweetspot

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



16.0866, 29.7362, 12.8750



48.6478, 62.7575, 56.6807



18.8981, 31.3615, 5.0575



10.3704, 13.7613, 12.0472



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.



16.0866, 29.7362, 12.8750



28.7029, 53.2115, 22.4979



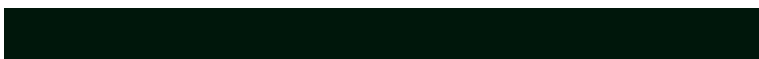
21.3827, 31.8546, 40.7637



8.0584, 9.0009, 9.3327



12.1527, 22.4263, 9.8437



0.3658, 0.6350, 0.4200

Inverse Universe

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



18.5988, 9.3798, 10.2829



33.1998, 16.7545, 17.8455



16.8266, 8.6709, 0.9507



8.1728, 8.0824, 9.2206



14.0468, 7.0813, 7.8919



0.4182, 0.2080, 0.3642

Previews

White Background



This preview shows how the XYZ color 16.0859, 29.7350, 12.8743 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 16.0859, 29.7350, 12.8743 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 16.0859, 29.7350, 12.8743

Background



This preview shows how black text looks on a background with the XYZ color 16.0859, 29.7350, 12.8743.



This preview shows how white text looks on a background with the XYZ color 16.0859, 29.7350,

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

16.0859, 29.7350, 12.8743

Protanopia

26.7740, 29.1484, 10.6936

Deuteranopia

29.7304, 29.2529, 13.7523



Tritanopia

22.6316, 29.7040, 44.5850

Trichromacy



Original Color

16.0859, 29.7350, 12.8743



Protanomaly

18.9369, 27.2558, 11.2840



Deuteranomaly

19.7586, 26.6553, 13.1204



Tritanomaly

19.2177, 29.3256, 29.8468

Monochromacy



Original Color

16.0859, 29.7350, 12.8743



Achromatopsia

14.8208, 15.5926, 16.9804



Achromatomaly

13.0773, 18.7247, 14.9816

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.0859, 29.7350, 12.8743 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, 171, 82)` looks like.

```
.text, #text, p{  
    color:rgb(0, 171, 82)  
}
```

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, 171, 82) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 171, 82) }
```

Border

The CSS property to change the border of an element to XYZ 16.0859, 29.7350, 12.8743 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, 171, 82) }
```


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

```
.border{ border-color:rgb(0, 171, 82) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 171, 82)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 171, 82); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 171, 82);  
box-shadow:4px 4px 4px 4px rgb(0, 171, 82)  
}
```

Background

The CSS property to change the background color of an element to XYZ 16.0859, 29.7350, 12.8743 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 171, 82) }
```

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

```
.background{ background-color: rgb(0, 171,  
82) }
```

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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