

Converting Colors

XYZ(16.2953, 30.7373, 11.1450)

Have a look what the booklet for
XYZ(16.2953, 30.7373, 11.1450)
contains.

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Color

**XYZ(16.3058, 30.7400,
11.2049)**

Conversions

Conversions Part 1

Format	Color
Hex	00AE48
RGB	0, 174, 72
RGB Percent	0%, 68%, 28%
CMY	1.0000, 0.3176, 0.7176
CMYK	1.00, 0.00, 0.59, 0.32
HSL	145°, 100%, 34%
HSV	145°, 100%, 68%
XYZ	16.3058, 30.7400, 11.2049
YIQ	110.3460, -70.9620, -68.6100

Conversions

Conversions Part 2

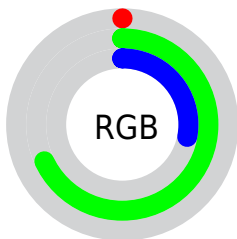
Format	Color
RYB	0, 123, 174
Decimal	44616
CIELab	62.29, -59.62, 41.26
CIELCh	62, 72.503, 145.318
Yxy	30.7400, 0.2799, 0.5277
Android (android.graphics.Color)	4278234696 (0xFF00AE48)
YUV	110.3460, -18.9046, -96.7734
Hunter-Lab	55.4437, -44.5301, 26.8283

Details

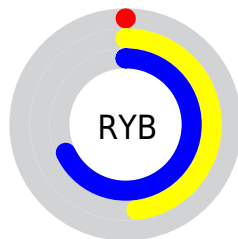
The XYZ color **16.3058, 30.7400, 11.2049** is a dark color, and the websafe version is hex **009933**. A complement of this color would be **19.8551, 9.9587, 13.4486**, and the grayscale version is **14.9891, 15.7697, 17.1732**.

A 20% lighter version of the original color is **36.6653, 60.9090, 28.5631**, and **6.8427, 13.4834, 2.9037** is the 20% darker color. If you saturate the color by 10%, you get **16.3063, 30.7411, 11.2047**, and if you desaturate by 10%, it is **16.9059, 31.0086, 13.1175**.

Distribution



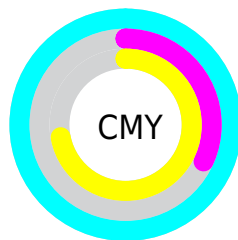
- Red (0%)
- Green (68%)
- Blue (28%)



- Red (0%)
- Yellow (48%)
- Blue (68%)



- Cyan (100%)
- Magenta (0%)
- Yellow (59%)
- Black (32%)





- Cyan (100%)
- Magenta (32%)
- Yellow (72%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 16.3058, 30.7400, 11.2049 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 16.3058, 30.7400, 11.2049 by changing the saturation by 10% instead.


 16.3058, 30.7400,
11.2049


 16.3058, 30.7400,
11.2049


224.3746,
305.3387, 209.8556


 9.8330, 20.4009,
6.0889


 36.6815, 60.8305,
28.6809


 5.3498, 12.6868,
2.8296


 51.3150, 81.3507,
41.8779


 2.4908, 7.2133,
1.0083


 69.3996, 106.0335,
58.6058

 0.8906, 3.5958,
0.0000

 91.3005, 135.2631,
79.2829

 0.0000, 1.4501,
0.0000

 117.3831,
169.4241, 104.3280

 0.0000, 0.2532,
0.0000

 148.0127,

 0.0000, 0.0000,

208.9007, 134.1594

0.0000

183.5548,
254.0775, 169.1957

■ 16.3058, 30.7400,
11.2049

■ 16.3058, 30.7400,
11.2049

■ 16.3063, 30.7411,
11.2047

■ 16.9059, 31.0086,
13.1175

■ 17.7728, 31.4071,
15.3435

■ 18.9920, 31.9803,
17.9000

■ 20.6041, 32.7488,
20.8005

■ 22.6436, 33.7302,
24.0579

■ 25.1413, 34.9402,
27.6841

■ 28.1248, 36.3926,
31.6906

■ 31.6196, 38.1005,
36.0883

■ 35.6492, 40.0758,
40.8876

Harmonies

Analogous

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



21.8810, 30.7400, 4.5571



16.3058, 30.7400, 11.2049



14.1800, 30.7400, 29.2586

Triad

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



16.3058, 30.7400, 11.2049



27.7071, 30.7400, 121.1407



49.7618, 30.7400, 15.2978

Complementary

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



16.3058, 30.7400, 11.2049



19.8551, 9.9587, 13.4486

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.



52.2938, 30.7400, 38.0687



16.3058, 30.7400, 11.2049



38.0339, 30.7400, 109.7304

Square

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



16.3058, 30.7400, 11.2049



19.7580, 30.7400, 100.2992



47.6016, 30.7400, 74.4971



41.2972, 30.7400, 5.8243

Rectangle

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



16.3058, 30.7400, 11.2049



14.5577, 30.7400, 49.8371



47.6016, 30.7400, 74.4971



51.4052, 30.7400, 21.1481

Sweetspot

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



16.3065, 30.7413, 11.2056



50.7003, 65.8574, 57.0738



20.8928, 33.2407, 5.3152



10.7516, 14.3855, 12.0022



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

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



16.3065, 30.7413, 11.2056



29.4715, 55.7173, 19.7686



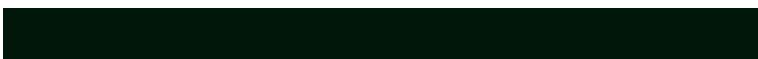
21.1888, 32.6941, 36.9150



8.0368, 8.9923, 9.2186



11.8547, 22.3072, 8.2747



0.3574, 0.6316, 0.3758

Inverse Universe

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



19.8551, 9.9587, 13.4486



35.8995, 18.0175, 23.7921



17.5607, 9.0410, 1.3668



8.1947, 8.0911, 9.3363



14.4303, 7.2347, 9.9115



0.4278, 0.2118, 0.4146

Previews

White Background



This preview shows how the XYZ color 16.3058, 30.7400, 11.2049 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 16.3058, 30.7400, 11.2049 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 16.3058, 30.7400, 11.2049

Background



This preview shows how black text looks on a background with the XYZ color 16.3058, 30.7400, 11.2049.



This preview shows how white text looks on a background with the XYZ color 16.3058, 30.7400,

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

16.3058, 30.7400, 11.2049

Protanopia

27.5864, 30.3013, 9.3958

Deuteranopia

30.8361, 30.3063, 12.0090



Tritanopia

23.4872, 30.6339, 46.2700

Trichromacy



Original Color

16.3058, 30.7400, 11.2049



Protanomaly

19.3854, 28.2778, 9.9053



Deuteranomaly

20.1332, 27.3743, 11.4304



Tritanomaly

19.5176, 30.0370, 29.1951

Monochromacy



Original Color

16.3058, 30.7400, 11.2049



Achromatopsia

14.8208, 15.5926, 16.9804



Achromatomaly

13.0246, 18.9217, 14.0321

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.3058, 30.7400, 11.2049 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, 174, 72)` looks like.

```
.text, #text, p{  
    color:rgb(0, 174, 72)  
}
```

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, 174, 72) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 174, 72) }
```

Border

The CSS property to change the border of an element to XYZ 16.3058, 30.7400, 11.2049 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, 174, 72) }
```


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

```
.border{ border-color:rgb(0, 174, 72) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 174, 72)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 174, 72); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 174, 72);  
box-shadow:4px 4px 4px 4px rgb(0, 174, 72)  
}
```

Background

The CSS property to change the background color of an element to XYZ 16.3058, 30.7400, 11.2049 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 174, 72) }
```

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

```
.background{ background-color: rgb(0, 174,  
72) }
```

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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