

Converting Colors

XYZ(16.3799, 30.4646, 12.4141)

Have a look what the booklet for
XYZ(16.3799, 30.4646, 12.4141)
contains.

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Color

**XYZ(16.3799, 30.4646,
12.4141)**

Conversions

Conversions Part 1

Format	Color
Hex	02AD4F
RGB	2, 173, 79
RGB Percent	1%, 68%, 31%
CMY	0.9921, 0.3216, 0.6902
CMYK	0.99, 0.00, 0.54, 0.32
HSL	147°, 98%, 34%
HSV	147°, 99%, 68%
XYZ	16.3799, 30.4646, 12.4141
YIQ	111.1550, -71.7420, -65.4860

Conversions

Conversions Part 2

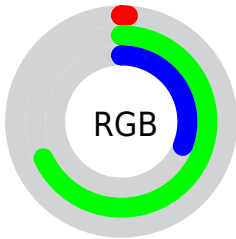
Format	Color
R _Y B	2, 120, 173
Decimal	175439
CIE Lab	62.05, -58.19, 37.59
CIE LCh	62, 69.278, 147.135
Yxy	30.4646, 0.2764, 0.5141
Android (android.graphics.Color)	4278365519 (0xFF02AD4F)
YUV	111.1550, -15.8524, -95.7289
Hunter-Lab	55.1947, -43.6182, 25.3011

Details

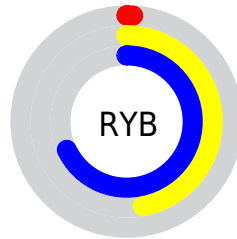
The XYZ color **16.3799, 30.4646, 12.4141** is a dark color, and the websafe version is hex **009933**. A complement of this color would be **19.3676, 9.7727, 11.9331**, and the grayscale version is **15.2149, 16.0073, 17.4319**.

A 20% lighter version of the original color is **36.8403, 60.5325, 30.8613**, and **6.8186, 13.2824, 3.3668** is the 20% darker color. If you saturate the color by 10%, you get **16.3158, 30.4370, 12.2041**, and if you desaturate by 10%, it is **17.0015, 30.7430, 14.3822**.

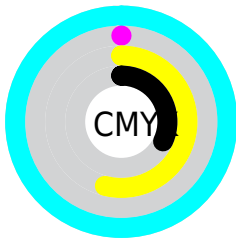
Distribution



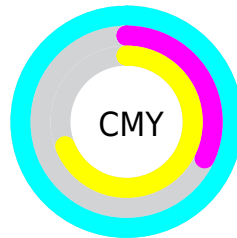
- Red (1%)
- Green (68%)
- Blue (31%)



- Red (1%)
- Yellow (47%)
- Blue (68%)



- Cyan (99%)
- Magenta (0%)
- Yellow (54%)
- Black (32%)



- Cyan (99%)
- Magenta (32%)
- Yellow (69%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.3799, 30.4646, 12.4141 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 16.3799, 30.4646, 12.4141 by changing the saturation by 10% instead.

■ 16.3799, 30.4646,
12.4141

■ 16.3799, 30.4646,
12.4141

224.7997,
304.0641, 218.2021

■ 9.8859, 20.1915,
6.9004

■ 36.8086, 60.3961,
30.9227

■ 5.3851, 12.5343,
3.3224

■ 51.4741, 80.8234,
44.7547

■ 2.5120, 7.1087,
1.2615

■ 69.5941, 105.4041,
62.1965

■ 0.9013, 3.5302,
0.0299

■ 91.5340, 134.5227,
83.6667

■ 0.0000, 1.4144,
0.0000

■ 117.6592,
168.5637, 109.5838

■ 0.0000, 0.2273,
0.0000

■ 148.3349,

■ 0.0000, 0.0000,

207.9113, 140.3664

0.0000

183.9267,
252.9499, 176.4330

■ 16.3799, 30.4646,
12.4141

■ 16.3799, 30.4646,
12.4141

■ 16.3158, 30.4370,
12.2041

■ 17.0015, 30.7430,
14.3822

■ 17.8987, 31.1567,
16.6315

■ 19.1424, 31.7428,
19.1756

■ 20.7713, 32.5211,
22.0255

■ 22.8185, 33.5086,
25.1917

■ 25.3136, 34.7201,
28.6840

■ 28.2831, 36.1693,
32.5116

■ 31.7517, 37.8687,
36.6835

■ 35.7420, 39.8297,
41.2084

Harmonies

Analogous

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



21.5396, 30.4646, 5.2776



16.3799, 30.4646, 12.4141



14.5128, 30.4646, 30.6757

Triad

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



16.3799, 30.4646, 12.4141



28.0709, 30.4646, 115.1498



47.9697, 30.4646, 14.8625

Complementary

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



16.3799, 30.4646, 12.4141



19.3676, 9.7727, 11.9331

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.



50.7468, 30.4646, 35.7976



16.3799, 30.4646, 12.4141



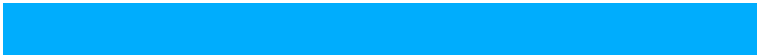
37.9042, 30.4646, 102.8363

Square

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



16.3799, 30.4646, 12.4141



20.2932, 30.4646, 97.4881



46.7288, 30.4646, 69.4594



39.7875, 30.4646, 6.0656

Rectangle

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



16.3799, 30.4646, 12.4141



15.0052, 30.4646, 50.6691



46.7288, 30.4646, 69.4594



49.6334, 30.4646, 20.2510

Sweetspot

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



16.3807, 30.4658, 12.4148



49.6953, 64.3074, 57.0280



19.7847, 32.3825, 5.2652



10.3197, 13.7410, 11.7803



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.



16.3807, 30.4658, 12.4148



29.1144, 54.4670, 21.3019



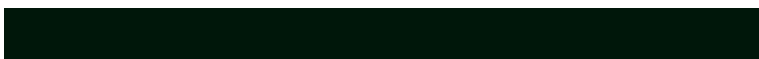
21.7111, 32.5980, 40.4847



8.0488, 8.9971, 9.2819



12.0139, 22.3708, 9.1130



0.3620, 0.6335, 0.4000

Inverse Universe

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



19.3676, 9.7727, 11.9331



34.4621, 17.3503, 20.3886



17.3139, 8.9513, 1.1185



8.1825, 8.0863, 9.2719



14.2106, 7.1468, 8.7544



0.4224, 0.2096, 0.3861

Previews

White Background



This preview shows how the XYZ color 16.3799, 30.4646, 12.4141 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 16.3799, 30.4646, 12.4141 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

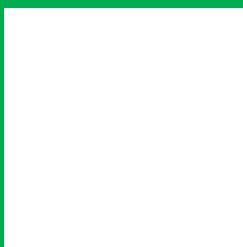
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 16.3799, 30.4646, 12.4141

Background



This preview shows how black text looks on a background with the XYZ color 16.3799, 30.4646, 12.4141.



This preview shows how white text looks on a background with the XYZ color 16.3799, 30.4646,

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

16.3799, 30.4646, 12.4141

Protanopia

27.4018, 29.9492, 10.2978

Deuteranopia

30.4494, 29.8579, 13.1751



Tritanopia

23.2484, 30.5223, 45.7404

Trichromacy



Original Color

16.3799, 30.4646, 12.4141



Protanomaly

19.4067, 28.0123, 10.8626



Deuteranomaly

20.1939, 27.1356, 12.5609



Tritanomaly

19.6227, 30.0741, 29.9700

Monochromacy



Original Color

16.3799, 30.4646, 12.4141



Achromatopsia

15.1092, 15.8961, 17.3108



Achromatomaly

13.3758, 19.2906, 14.8229

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.3799, 30.4646, 12.4141 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(2, 173, 79)` looks like.

```
.text, #text, p{  
    color:rgb(2, 173, 79)  
}
```

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(2, 173, 79) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(2, 173, 79) }
```

Border

The CSS property to change the border of an element to XYZ 16.3799, 30.4646, 12.4141 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(2, 173, 79) }
```


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

```
.border{ border-color:rgb(2, 173, 79) }
```

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

Here you see how a box with a 4 pixel `rgb(2, 173, 79)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(2, 173, 79); -webkit-box-  
shadow:4px 4px 4px 4px rgb(2, 173, 79);  
box-shadow:4px 4px 4px 4px rgb(2, 173, 79)  
}
```

Background

The CSS property to change the background color of an element to XYZ 16.3799, 30.4646, 12.4141 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(2, 173, 79) }
```

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

```
.background{ background-color: rgb(2, 173,  
79) }
```

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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