

Converting Colors

XYZ(16.3029, 28.5440, 12.4019)

Have a look what the booklet for
XYZ(16.3029, 28.5440, 12.4019)
contains.

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Color

**XYZ(16.2481, 28.4474,
12.4191)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 2EA651 |
| RGB | 46, 166, 81 |
| RGB Percent | 18%, 65%, 32% |
| CMY | 0.8196, 0.3490, 0.6823 |
| CMYK | 0.72, 0.00, 0.51, 0.35 |
| HSL | 138°, 57%, 42% |
| HSV | 138°, 72%, 65% |
| XYZ | 16.2481, 28.4474, 12.4191 |
| YIQ | 120.4300, -44.2350, -51.8750 |

Conversions

Conversions Part 2

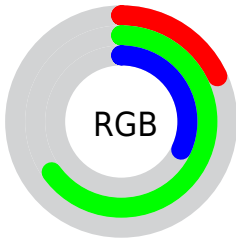
| Format | Color |
|-------------------------------------|---------------------------------|
| R_{YB} | 46, 139, 166 |
| Decimal | 3057233 |
| CIE _{Lab} | 60.29, -51.34, 34.54 |
| CIE _{LCh} | 60, 61.881, 146.068 |
| Yxy | 28.4474, 0.2845, 0.4981 |
| Android (android.graphics.Color) | 4281247313 (0xFF2EA651) |
| YUV | 120.4300, -19.4390, -65.2751 |
| Hunter-Lab | 53.3361, -38.9606, 23.5298 |

Details

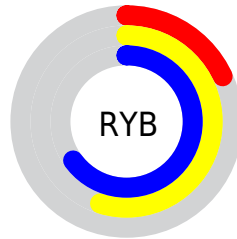
The XYZ color **16.2481, 28.4474, 12.4191** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **20.8004, 11.7000, 22.6351**, and the grayscale version is **18.0616, 19.0022, 20.6934**.

A 20% lighter version of the original color is **36.5928, 57.1597, 30.9341**, and **6.1658, 11.9145, 3.3413** is the 20% darker color. If you saturate the color by 10%, you get **15.2366, 27.9734, 10.2663**, and if you desaturate by 10%, it is **17.6265, 29.1033, 14.9889**.

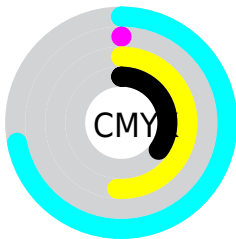
Distribution



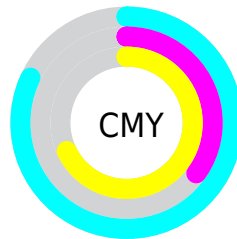
- Red (18%)
- Green (65%)
- Blue (32%)



- Red (18%)
- Yellow (55%)
- Blue (65%)



- Cyan (72%)
- Magenta (0%)
- Yellow (51%)
- Black (35%)



- Cyan (82%)
- Magenta (35%)
- Yellow (68%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.2481, 28.4474, 12.4191 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 16.2481, 28.4474, 12.4191 by changing the saturation by 10% instead.

■ 16.2481, 28.4474,
12.4191

■ 16.2481, 28.4474,
12.4191

224.0430,
294.5986, 218.2359

■ 9.7918, 18.6632,
6.9038

■ 36.5824, 57.1979,
30.9319

■ 5.3224, 11.4272,
3.3245

■ 51.1911, 76.9331,
44.7664

■ 2.4743, 6.3549,
1.2626

■ 69.2480, 100.7540,
62.2111

■ 0.8823, 3.0621,
0.0308

■ 91.1185, 129.0450,
83.6845

■ 0.0000, 1.1642,
0.0000

■ 117.1678,
162.1906, 109.6052

■ 0.0000, 0.0322,
0.0000

147.7615,

■ 0.0000, 0.0000,

200.5751, 140.3916

0.0000

183.2648,
244.5830, 176.4623

■ 16.2481, 28.4474,
12.4191

■ 16.2481, 28.4474,
12.4191

■ 15.2366, 27.9734,
10.2663

■ 17.6265, 29.1033,
14.9889

■ 14.5505, 27.6579,
8.5063

■ 19.4031, 29.9545,
17.9945

■ 14.1790, 27.4905,
7.4008

■ 21.6083, 31.0170,
21.4557

■ 24.2687, 32.3042,
25.3907

■ 27.4088, 33.8282,
29.8163

■ 31.0511, 35.6005,
34.7490

■ 35.2170, 37.6317,
40.2041

■ 39.9263, 39.9317,
46.1964

■ 45.1979, 42.5099,
52.7401

Harmonies

Analogous

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



20.8701, 28.4474, 5.9627



16.2481, 28.4474, 12.4191



14.4900, 28.4474, 28.0721

Triad

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



16.2481, 28.4474, 12.4191



26.0051, 28.4474, 98.2593



43.1983, 28.4474, 15.4619

Complementary

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



16.2481, 28.4474, 12.4191



20.8004, 11.7000, 22.6351

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.



45.3047, 28.4474, 34.0701



16.2481, 28.4474, 12.4191



34.3160, 28.4474, 89.1758

Square

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



16.2481, 28.4474, 12.4191



19.3814, 28.4474, 83.2452



41.7835, 28.4474, 62.3466



36.4855, 28.4474, 7.0191

Rectangle

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



16.2481, 28.4474, 12.4191



14.8629, 28.4474, 44.7176



41.7835, 28.4474, 62.3466



44.5187, 28.4474, 20.3821

Sweetspot

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



16.2488, 28.4486, 12.4197



49.6691, 61.3569, 54.0106



23.6460, 32.3766, 7.5878



10.7661, 13.5610, 11.6021



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

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



16.2488, 28.4486, 12.4197



26.8005, 50.3736, 16.5306



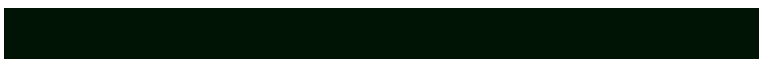
19.4973, 29.7480, 29.5262



7.5234, 8.4424, 8.4764



11.0128, 21.3239, 5.8344



0.2899, 0.5276, 0.2574

Inverse Universe

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



20.8004, 11.7000, 22.6351



35.4597, 18.1520, 35.6997



17.8733, 10.5292, 7.2213



7.7472, 7.6288, 8.9862



14.7322, 7.3016, 13.9331



0.3791, 0.1859, 0.4476

Previews

White Background



This preview shows how the XYZ color 16.2481, 28.4474, 12.4191 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 16.2481, 28.4474, 12.4191 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

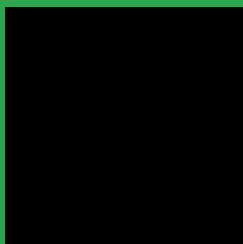
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 16.2481, 28.4474, 12.4191

Background



This preview shows how black text looks on a background with the XYZ color 16.2481, 28.4474, 12.4191.



This preview shows how white text looks on a background with the XYZ color 16.2481, 28.4474,

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

16.2481, 28.4474, 12.4191

Protanopia

25.5074, 27.8119, 10.5024

Deuteranopia

28.5291, 27.9955, 13.1325



Tritanopia

22.0304, 28.1780, 41.8139

Trichromacy



Original Color

16.2481, 28.4474, 12.4191



Protanomaly

20.0390, 26.8438, 11.1464



Deuteranomaly

21.1317, 26.4249, 12.5811



Tritanomaly

19.2661, 28.0716, 28.0698

Monochromacy



Original Color

16.2481, 28.4474, 12.4191



Achromatopsia

17.8524, 18.7821, 20.4537



Achromatomaly

16.0614, 21.2591, 16.8926

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.2481, 28.4474, 12.4191 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(46, 166, 81)` looks like.

```
.text, #text, p{  
    color:rgb(46, 166, 81)  
}
```

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(46, 166, 81) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(46, 166, 81) }
```

Border

The CSS property to change the border of an element to XYZ 16.2481, 28.4474, 12.4191 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(46, 166, 81) }
```


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

```
.border{ border-color:rgb(46, 166, 81) }
```

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

Here you see how a box with a 4 pixel `rgb(46, 166, 81)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(46, 166, 81); -webkit-box-  
shadow:4px 4px 4px 4px rgb(46, 166, 81);  
box-shadow:4px 4px 4px 4px rgb(46, 166,  
81) }
```

Background

The CSS property to change the background color of an element to XYZ 16.2481, 28.4474, 12.4191 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(46, 166, 81) }
```

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

```
.background{ background-color: rgb(46, 166,  
81) }
```

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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