

Converting Colors

XYZ(16.2712, 29.5698, 12.1240)

Have a look what the booklet for
XYZ(16.2712, 29.5698, 12.1240)
contains.

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Color

**XYZ(16.2566, 29.5607,
12.0567)**

Conversions

Conversions Part 1

Format	Color
Hex	1DAA4E
RGB	29, 170, 78
RGB Percent	11%, 67%, 31%
CMY	0.8863, 0.3333, 0.6941
CMYK	0.83, 0.00, 0.54, 0.33
HSL	141°, 71%, 39%
HSV	141°, 83%, 67%
XYZ	16.2566, 29.5607, 12.0567
YIQ	117.3530, -54.5040, -58.5040

Conversions

Conversions Part 2

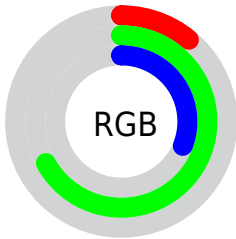
Format	Color
R_{YB}	29, 134, 170
Decimal	1944142
CIE _{Lab}	61.27, -55.53, 37.19
CIE _{LCh}	61, 66.833, 146.189
Yxy	29.5607, 0.2809, 0.5108
Android (android.graphics.Color)	4280134222 (0xFF1DAA4E)
YUV	117.3530, -19.4010, -77.4856
Hunter-Lab	54.3698, -41.7754, 24.9110

Details

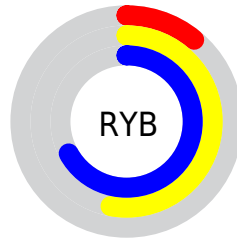
The XYZ color **16.2566, 29.5607, 12.0567** is a dark color, and the websafe version is hex **009933**. A complement of this color would be **20.4692, 10.8059, 19.0976**, and the grayscale version is **17.0895, 17.9795, 19.5797**.

A 20% lighter version of the original color is **36.4143, 58.6870, 30.1774**, and **6.4672, 12.5795, 3.2496** is the 20% darker color. If you saturate the color by 10%, you get **15.5374, 29.2329, 10.1197**, and if you desaturate by 10%, it is **17.3094, 30.0544, 14.3609**.

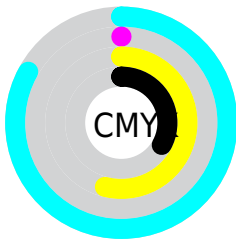
Distribution



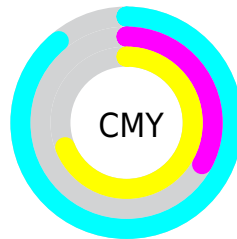
- Red (11%)
- Green (67%)
- Blue (31%)



- Red (11%)
- Yellow (53%)
- Blue (67%)



- Cyan (83%)
- Magenta (0%)
- Yellow (54%)
- Black (33%)





- Cyan (89%)
- Magenta (33%)
- Yellow (69%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 16.2566, 29.5607, 12.0567 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 16.2566, 29.5607, 12.0567 by changing the saturation by 10% instead.


 16.2566, 29.5607,
12.0567


 16.2566, 29.5607,
12.0567


224.0919,
299.8514, 215.7715


 9.7979, 19.5054,
6.6593


 36.5970, 58.9668,
30.2643


 5.3264, 12.0360,
3.1748


 51.2093, 79.0863,
43.9115


 2.4767, 6.7682,
1.1845


 69.2703, 103.3293,
61.1458

 0.8835, 3.3176,
0.0000

 91.1453, 132.0803,
82.3856

 0.0000, 1.2997,
0.0000

 117.1996,
165.7236, 108.0496

 0.0000, 0.1410,
0.0000

 147.7985,

 0.0000, 0.0000,

204.6436, 138.5562

0.0000

183.3075,
249.2248, 174.3240

■ 16.2566, 29.5607,
12.0567

■ 16.2566, 29.5607,
12.0567

■ 15.5374, 29.2329,
10.1197

■ 17.3094, 30.0544,
14.3609

■ 15.1667, 29.0671,
8.9593

■ 18.7348, 30.7312,
17.0486

■ 20.5687, 31.6101,
20.1372

■ 22.8416, 32.7066,
23.6428

■ 25.5813, 34.0347,
27.5803

■ 28.8131, 35.6071,
31.9639

■ 32.5604, 37.4355,
36.8072

■ 36.8451, 39.5311,
42.1231

■ 41.6877, 41.9042,
47.9241

Harmonies

Analogous

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



21.2739, 29.5607, 5.3510



16.2566, 29.5607, 12.0567



14.3741, 29.5607, 29.0730

Triad

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



16.2566, 29.5607, 12.0567



26.9872, 29.5607, 108.7436



46.1701, 29.5607, 15.1930

Complementary

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



16.2566, 29.5607, 12.0567



20.4692, 10.8059, 19.0976

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.



48.5763, 29.5607, 35.5149



16.2566, 29.5607, 12.0567



36.2412, 29.5607, 98.1530

Square

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



16.2566, 29.5607, 12.0567



19.6969, 29.5607, 91.5366



44.6221, 29.5607, 67.3641



38.5979, 29.5607, 6.3847

Rectangle

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



16.2566, 29.5607, 12.0567



14.7830, 29.5607, 47.6677



44.6221, 29.5607, 67.3641



47.6699, 29.5607, 20.4828

Sweetspot

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



16.2573, 29.5619, 12.0574



50.7156, 63.8426, 55.9156



22.7660, 33.0505, 6.3422



10.8582, 14.0174, 11.8592



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.



16.2573, 29.5619, 12.0574



27.4243, 52.7001, 15.7654



20.1096, 31.1028, 32.3434



7.5404, 8.4492, 8.5657



11.1805, 21.3910, 6.7176



0.2961, 0.5301, 0.2903

Inverse Universe

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



20.4692, 10.8059, 19.0976



35.1703, 17.5427, 28.2217



17.6489, 9.6778, 4.2465



7.7295, 7.6217, 8.8928



14.3292, 7.1404, 11.8113



0.3714, 0.1828, 0.4071

Previews

White Background



This preview shows how the XYZ color 16.2566, 29.5607, 12.0567 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 16.2566, 29.5607, 12.0567 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 16.2566, 29.5607, 12.0567

Background



This preview shows how black text looks on a background with the XYZ color 16.2566, 29.5607, 12.0567.



This preview shows how white text looks on a background with the XYZ color 16.2566, 29.5607,

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

16.2566, 29.5607, 12.0567

Protanopia

26.6435, 29.0962, 10.0062

Deuteranopia

29.4179, 28.8930, 12.8305



Tritanopia

22.7122, 29.4983, 44.0319

Trichromacy



Original Color

16.2566, 29.5607, 12.0567



Protanomaly

19.8634, 27.5011, 10.5647



Deuteranomaly

20.9401, 27.0428, 12.2997



Tritanomaly

19.4938, 29.2266, 28.6586

Monochromacy



Original Color

16.2566, 29.5607, 12.0567



Achromatopsia

16.9083, 17.7888, 19.3720



Achromatomaly

14.9987, 20.5189, 16.0020

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.2566, 29.5607, 12.0567 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(29, 170, 78)` looks like.

```
.text, #text, p{  
    color:rgb(29, 170, 78)  
}
```

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(29, 170, 78) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(29, 170, 78) }
```

Border

The CSS property to change the border of an element to XYZ 16.2566, 29.5607, 12.0567 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(29, 170, 78) }
```


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

```
.border{ border-color:rgb(29, 170, 78) }
```

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

Here you see how a box with a 4 pixel rgb(29, 170, 78) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(29, 170, 78); -webkit-box-  
shadow:4px 4px 4px 4px rgb(29, 170, 78);  
box-shadow:4px 4px 4px 4px rgb(29, 170,  
78) }
```

Background

The CSS property to change the background color of an element to XYZ 16.2566, 29.5607, 12.0567 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(29, 170, 78) }
```

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

```
.background{ background-color: rgb(29, 170,  
78) }
```

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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