

Converting Colors

XYZ(12.4870, 27.0779, 7.6160)

Have a look what the booklet for
XYZ(12.4870, 27.0779, 7.6160)
contains.

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Color

**XYZ(14.5784, 28.2356,
7.6993)**

Conversions

Conversions Part 1

Format	Color
Hex	00A832
RGB	0, 168, 50
RGB Percent	0%, 66%, 20%
CMY	1.0000, 0.3412, 0.8039
CMYK	1.00, 0.00, 0.70, 0.34
HSL	138°, 100%, 33%
HSV	138°, 100%, 66%
XYZ	14.5784, 28.2356, 7.6993
YIQ	104.3160, -62.2500, -72.3140

Conversions

Conversions Part 2

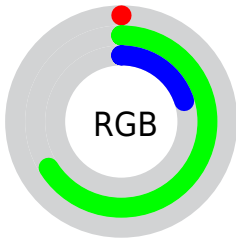
Format	Color
RYB	0, 129, 168
Decimal	43058
CIELab	60.10, -60.38, 48.50
CIELCh	60, 77.446, 141.222
Yxy	28.2356, 0.2886, 0.5590
Android (android.graphics.Color)	4278233138 (0xFF00A832)
YUV	104.3160, -26.7778, -91.4851
Hunter-Lab	53.1372, -44.0179, 28.6052

Details

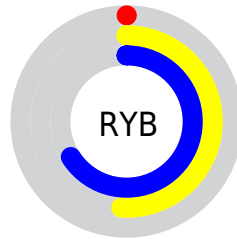
The XYZ color **14.5784, 28.2356, 7.6993** is a dark color, and the websafe version is hex **009933**. A complement of this color would be **19.4193, 9.6333, 17.9764**, and the grayscale version is **13.3254, 14.0193, 15.2671**.

A 20% lighter version of the original color is **33.8876, 57.1569, 22.0783**, and **6.0173, 12.0346, 2.0058** is the 20% darker color. If you saturate the color by 10%, you get **14.5790, 28.2367, 7.6996**, and if you desaturate by 10%, it is **15.0950, 28.4694, 9.2289**.

Distribution



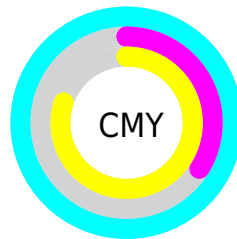
- Red (0%)
- Green (66%)
- Blue (20%)



- Red (0%)
- Yellow (51%)
- Blue (66%)



- Cyan (100%)
- Magenta (0%)
- Yellow (70%)
- Black (34%)





- Cyan (100%)
- Magenta (34%)
- Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 14.5784, 28.2356, 7.6993 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 14.5784, 28.2356, 7.6993 by changing the saturation by 10% instead.


 14.5784, 28.2356,
7.6993


 14.5784, 28.2356,
7.6993


214.2394,
293.5910, 183.1997


 8.6084, 18.5033,
3.8181


 33.6896, 56.8604,
21.9032


 4.5417, 11.3120,
1.5261


 47.5616, 76.5217,
33.0630


 2.0129, 6.2771,
0.2373


 64.7982, 100.2614,
47.4860

 0.6412, 3.0143,
0.0000

 85.7649, 128.4640,
65.5909

 0.0000, 1.1392,
0.0000

 110.8270,
161.5139, 87.7962

 0.0000, 0.0112,
0.0000

 140.3499,

 0.0000, 0.0000,

199.7954, 114.5204

0.0000

174.6989,
243.6930, 146.1821

■ 14.5784, 28.2356,
7.6993

■ 14.5784, 28.2356,
7.6993

■ 14.5790, 28.2367,
7.6996

■ 15.0950, 28.4694,
9.2289

■ 15.8727, 28.8289,
11.1369

■ 16.9945, 29.3572,
13.4497

■ 18.4993, 30.0739,
16.1893

■ 20.4205, 30.9957,
19.3760

■ 22.7876, 32.1376,
23.0288

■ 25.6275, 33.5130,
27.1656

■ 28.9648, 35.1343,
31.8034

■ 32.8224, 37.0128,
36.9582

Harmonies

Analogous

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



20.5275, 28.2356, 2.7974



14.5784, 28.2356, 7.6993



12.0935, 28.2356, 23.1621

Triad

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



14.5784, 28.2356, 7.6993



24.0396, 28.2356, 122.0335



48.7428, 28.2356, 14.9479

Complementary

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



14.5784, 28.2356, 7.6993



19.4193, 9.6333, 17.9764

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.



50.3477, 28.2356, 39.8220



14.5784, 28.2356, 7.6993



34.3229, 28.2356, 114.5353

Square

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



14.5784, 28.2356, 7.6993



16.6055, 28.2356, 95.7084



44.5509, 28.2356, 78.9968



40.5895, 28.2356, 4.8370

Rectangle

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



14.5784, 28.2356, 7.6993



12.1764, 28.2356, 42.6024



44.5509, 28.2356, 78.9968



50.1337, 28.2356, 21.3193

Sweetspot

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



14.5791, 28.2368, 7.6999



46.1948, 60.6624, 48.8554



21.8050, 32.0284, 5.0330



9.5969, 12.9932, 9.9697



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.



14.5791, 28.2368, 7.6999



26.3718, 51.2045, 13.5354



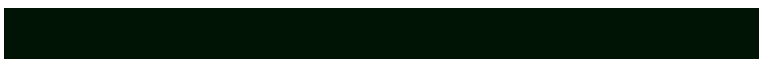
18.1410, 29.6615, 26.4569



7.5252, 8.4431, 8.4859



11.0292, 21.3304, 5.9206



0.2905, 0.5278, 0.2609

Inverse Universe

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



19.4193, 9.6333, 17.9764



35.1391, 17.4408, 32.1000



16.4738, 8.4551, 2.4653



7.7454, 7.6280, 8.9762



14.6873, 7.2837, 13.6970



0.3782, 0.1856, 0.4431

Previews

White Background



This preview shows how the XYZ color 14.5784, 28.2356, 7.6993 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 14.5784, 28.2356, 7.6993 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

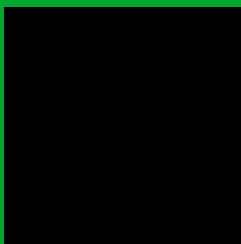
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

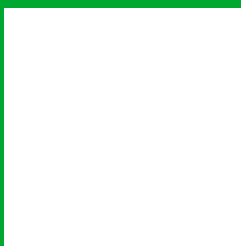
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 14.5784, 28.2356, 7.6993

Background



This preview shows how black text looks on a background with the XYZ color 14.5784, 28.2356, 7.6993.



This preview shows how white text looks on a background with the XYZ color 14.5784, 28.2356,

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

14.5784, 28.2356, 7.6993

Protanopia

25.1258, 27.7054, 6.4063

Deuteranopia

28.3784, 27.8119, 8.2874



Tritanopia

21.7669, 28.2814, 42.3418

Trichromacy



Original Color

14.5784, 28.2356, 7.6993



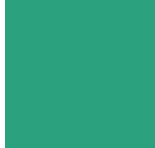
Protanomaly

17.3639, 25.8045, 6.6504



Deuteranomaly

18.2679, 25.0526, 7.7437



Tritanomaly

17.5495, 27.5316, 24.1278

Monochromacy



Original Color

14.5784, 28.2356, 7.6993



Achromatopsia

13.1579, 13.8432, 15.0752



Achromatomaly

11.4364, 16.9771, 11.0617

CSS Examples

Text

The CSS property to change the color of the text to XYZ 14.5784, 28.2356, 7.6993 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, 168, 50)` looks like.

```
.text, #text, p{  
    color:rgb(0, 168, 50)  
}
```

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, 168, 50) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 168, 50) }
```

Border

The CSS property to change the border of an element to XYZ 14.5784, 28.2356, 7.6993 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, 168, 50) }
```


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

```
.border{ border-color:rgb(0, 168, 50) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 168, 50)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 168, 50); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 168, 50);  
box-shadow:4px 4px 4px 4px rgb(0, 168, 50)  
}
```

Background

The CSS property to change the background color of an element to XYZ 14.5784, 28.2356, 7.6993 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 168, 50) }
```

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

```
.background{ background-color: rgb(0, 168,  
50) }
```

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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