

Converting Colors

XYZ(15.3245, 28.7708, 4.7456)

Have a look what the booklet for
XYZ(15.3245, 28.7708, 4.7456)
contains.

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Color

**XYZ(15.2693, 28.6582,
4.7268)**

Conversions

Conversions Part 1

Format	Color
Hex	31A800
RGB	49, 168, 0
RGB Percent	19%, 66%, 0%
CMY	0.8078, 0.3412, 0.9999
CMYK	0.71, 0.00, 1.00, 0.34
HSL	103°, 100%, 33%
HSV	103°, 100%, 66%
XYZ	15.2693, 28.6582, 4.7268
YIQ	113.2670, -16.9960, -77.4760

Conversions

Conversions Part 2

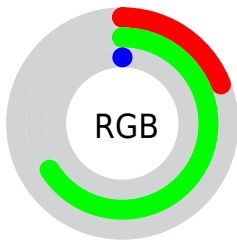
Format	Color
RYB	0, 168, 119
Decimal	3254272
CIELab	60.48, -57.84, 61.57
CIELCh	60, 84.477, 133.212
Yxy	28.6582, 0.3138, 0.5890
Android (android.graphics.Color)	4281444352 (0xFF31A800)
YUV	113.2670, -55.8406, -56.3622
Hunter-Lab	53.5334, -42.7699, 32.2383

Details

The XYZ color **15.2693, 28.6582, 4.7268** is a dark color, and the websafe version is hex **009900**. A complement of this color would be **14.6783, 6.7507, 37.5766**, and the grayscale version is **15.9413, 16.7714, 18.2641**.

A 20% lighter version of the original color is **34.7977, 57.3698, 15.5428**, and **6.0173, 12.0346, 2.0058** is the 20% darker color. If you saturate the color by 10%, you get **15.2694, 28.6591, 4.7270**, and if you desaturate by 10%, it is **16.0214, 29.0353, 5.2827**.

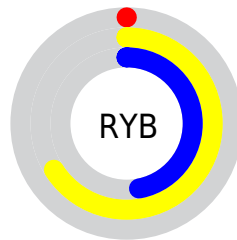
Distribution



Red (19%)

Green (66%)

Blue (0%)



Red (0%)

Yellow (66%)

Blue (47%)

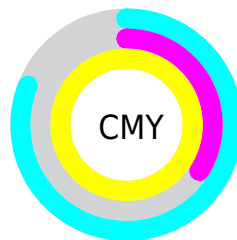


Cyan (71%)

Magenta (0%)

Yellow (100%)

Black (34%)



Cyan (81%)

Magenta (34%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.2693, 28.6582, 4.7268 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 15.2693, 28.6582, 4.7268 by changing the saturation by 10% instead.

■ 15.2693, 28.6582,
4.7268

■ 15.2693, 28.6582,
4.7268

218.3467,
295.5988, 155.9903

■ 9.0961, 18.8224,
2.0320

■ 34.8927, 57.5336,
15.6540

■ 4.8616, 11.5420,
0.5748

■ 49.0737, 77.3420,
24.7235

■ 2.2002, 6.4327,
0.0000

■ 66.6546, 101.2433,
36.7549

■ 0.7428, 3.1099,
0.0000

■ 88.0010, 129.6221,
52.1669

■ 0.0000, 1.1894,
0.0000

■ 113.4779,
162.8626, 71.3778


■ 0.0000, 0.0530,
0.0000


■ 143.4510,


■ 0.0000, 0.0000,


201.3493, 94.8064


0.0000


 178.2855,
245.4666, 122.8710


 15.2693, 28.6582,
4.7268


 15.2693, 28.6582,
4.7268


 15.2694, 28.6591,
4.7270

 16.0214, 29.0353,
5.2827

 17.0192, 29.5285,
6.2870

 18.3075, 30.1578,
7.9210

 19.9107, 30.9340,
10.2657

 21.8503, 31.8668,
13.3902

■ 24.1457, 32.9647,
17.3551

■ 26.8148, 34.2358,
22.2154

■ 29.8740, 35.6876,
28.0211

■ 33.3389, 37.3269,
34.8186

Harmonies

Analogous

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



22.7276, 28.6582, 1.6627



15.2693, 28.6582, 4.7268



11.7069, 28.6582, 16.8893

Triad

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



15.2693, 28.6582, 4.7268



21.6270, 28.6582, 131.0374



53.1343, 28.6582, 19.4061

Complementary

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



15.2693, 28.6582, 4.7268



14.6783, 6.7507, 37.5766

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.



52.6079, 28.6582, 51.9292



15.2693, 28.6582, 4.7268



32.3106, 28.6582, 133.5751

Square

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



15.2693, 28.6582, 4.7268



14.6496, 28.6582, 92.9136



44.2398, 28.6582, 98.4998



45.5290, 28.6582, 5.5195

Rectangle

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



15.2693, 28.6582, 4.7268



11.2241, 28.6582, 34.6861



44.2398, 28.6582, 98.4998



53.9524, 28.6582, 27.9630

Sweetspot

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



15.2700, 28.6594, 4.7274



48.3680, 61.9860, 39.7735



22.5814, 21.1896, 2.9003



10.1018, 13.3007, 7.8584



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.



15.2700, 28.6594, 4.7274



27.5209, 51.9080, 8.5687



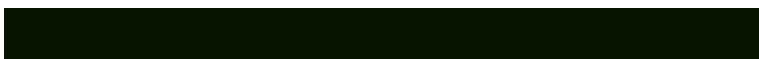
14.2865, 28.1197, 6.1589



7.6347, 8.5098, 8.0294



11.5759, 21.6648, 3.5716



0.3317, 0.5529, 0.0892

Inverse Universe

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



14.6783, 6.7507, 37.5766



26.4107, 12.1336, 68.1751



20.4807, 10.0580, 23.5647



7.6256, 7.5551, 9.4747



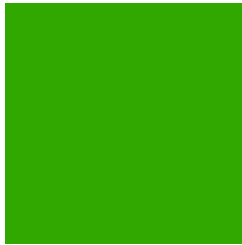
11.1362, 5.1244, 28.3776



0.3180, 0.1490, 0.6926

Previews

White Background



This preview shows how the XYZ color 15.2693, 28.6582, 4.7268 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 15.2693, 28.6582, 4.7268 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

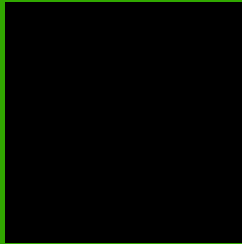
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 15.2693, 28.6582, 4.7268

Background



This preview shows how black text looks on a background with the XYZ color 15.2693, 28.6582, 4.7268.



This preview shows how white text looks on a background with the XYZ color 15.2693, 28.6582,

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

15.2693, 28.6582, 4.7268

Protanopia

25.2297, 28.0373, 4.0820

Deuteranopia

28.5555, 27.9638, 5.5616



Tritanopia

22.6172, 28.4805, 41.8414

Trichromacy



Original Color

15.2693, 28.6582, 4.7268



Protanomaly

19.4173, 26.9200, 4.1727



Deuteranomaly

20.5761, 26.3100, 4.8045



Tritanomaly

17.8761, 27.5639, 18.5656

Monochromacy



Original Color

15.2693, 28.6582, 4.7268



Achromatopsia

15.6958, 16.5132, 17.9829



Achromatomaly

13.7737, 19.4166, 9.1527

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.2693, 28.6582, 4.7268 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(49, 168, 0)` looks like.

```
.text, #text, p{  
    color:rgb(49, 168, 0)  
}
```

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(49, 168, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(49, 168, 0) }
```

Border

The CSS property to change the border of an element to XYZ 15.2693, 28.6582, 4.7268 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(49, 168, 0) }
```


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

```
.border{ border-color:rgb(49, 168, 0) }
```

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

Here you see how a box with a 4 pixel rgb(49, 168, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(49, 168, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(49, 168, 0);  
box-shadow:4px 4px 4px 4px rgb(49, 168, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 15.2693, 28.6582, 4.7268 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(49, 168, 0) }
```

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

```
.background{ background-color: rgb(49, 168,  
0) }
```

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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