

Converting Colors

XYZ(15.2619, 28.7368, 4.7424)

Have a look what the booklet for
XYZ(15.2619, 28.7368, 4.7424)
contains.

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Color

**XYZ(15.2216, 28.6336,
4.7246)**

Conversions

Conversions Part 1

Format	Color
Hex	30A800
RGB	48, 168, 0
RGB Percent	19%, 66%, 0%
CMY	0.8118, 0.3412, 0.9999
CMYK	0.71, 0.00, 1.00, 0.34
HSL	103°, 100%, 33%
HSV	103°, 100%, 66%
XYZ	15.2216, 28.6336, 4.7246
YIQ	112.9680, -17.5920, -77.6880

Conversions

Conversions Part 2

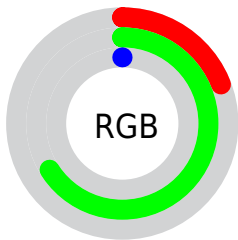
Format	Color
RYB	0, 168, 120
Decimal	3188736
CIELab	60.46, -58.03, 61.54
CIElCh	60, 84.587, 133.318
Yxy	28.6336, 0.3133, 0.5894
Android (android.graphics.Color)	4281378816 (0xFF30A800)
YUV	112.9680, -55.6932, -56.9769
Hunter-Lab	53.5104, -42.8669, 32.2224

Details

The XYZ color **15.2216, 28.6336, 4.7246** is a dark color, and the websafe version is hex **009900**. A complement of this color would be **14.8165, 6.8219, 37.5831**, and the grayscale version is **15.8517, 16.6772, 18.1614**.

A 20% lighter version of the original color is **34.6683, 57.3031, 15.5367**, and **6.0173, 12.0346, 2.0058** is the 20% darker color. If you saturate the color by 10%, you get **15.2216, 28.6345, 4.7247**, and if you desaturate by 10%, it is **15.9666, 29.0070, 5.2802**.

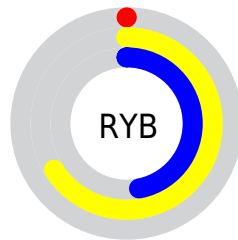
Distribution



Red (19%)

Green (66%)

Blue (0%)



Red (0%)

Yellow (66%)

Blue (47%)

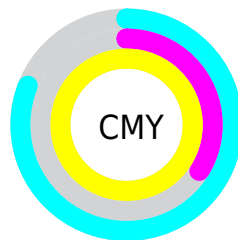


Cyan (71%)

Magenta (0%)

Yellow (100%)

Black (34%)



Cyan (81%)


Magenta (34%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 15.2216, 28.6336, 4.7246 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 15.2216, 28.6336, 4.7246 by changing the saturation by 10% instead.


 15.2216, 28.6336,
4.7246


 15.2216, 28.6336,
4.7246


218.0655,
295.4822, 155.9677


 9.0624, 18.8038,
2.0307


 34.8099, 57.4944,
15.6491


 4.8393, 11.5286,
0.5741


 48.9698, 77.2943,
24.7169


 2.1871, 6.4236,
0.0000


 66.5272, 101.1863,
36.7463

 0.7359, 3.1043,
0.0000

 87.8475, 129.5548,
52.1560

 0.0000, 1.1864,
0.0000

 113.2962,
162.7843, 71.3644


 0.0000, 0.0506,
0.0000


 143.2385,


 0.0000, 0.0000,


201.2591, 94.7901


0.0000


 178.0398,
245.3636, 122.8517


 15.2216, 28.6336,
4.7246


 15.2216, 28.6336,
4.7246


 15.2216, 28.6345,
4.7247

 15.9666, 29.0070,
5.2802

 16.9592, 29.4975,
6.2843

 18.2446, 30.1253,
7.9182

 19.8474, 30.9014,
10.2629

 21.7894, 31.8354,
13.3875

■ 24.0902, 32.9361,
17.3528

■ 26.7679, 34.2117,
22.2135

■ 29.8392, 35.6697,
28.0198

■ 33.3197, 37.3171,
34.8182

Harmonies

Analogous

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



22.6680, 28.6336, 1.6518



15.2216, 28.6336, 4.7246



11.6724, 28.6336, 16.9271

Triad

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



15.2216, 28.6336, 4.7246



21.6319, 28.6336, 131.2454



53.1253, 28.6336, 19.2952

Complementary

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



15.2216, 28.6336, 4.7246



14.8165, 6.8219, 37.5831

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.



52.6294, 28.6336, 51.7744



15.2216, 28.6336, 4.7246



32.3336, 28.6336, 133.6378

Square

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



15.2216, 28.6336, 4.7246



14.6385, 28.6336, 93.1360



44.2722, 28.6336, 98.4011



45.4867, 28.6336, 5.4689

Rectangle

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



15.2216, 28.6336, 4.7246



11.1973, 28.6336, 34.7808



44.2722, 28.6336, 98.4011



53.9550, 28.6336, 27.8314

Sweetspot

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



15.2223, 28.6348, 4.7252



48.2817, 61.9415, 39.7695



22.5814, 21.1897, 2.9003



10.0815, 13.2903, 7.8574



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.



15.2223, 28.6348, 4.7252



27.4370, 51.8648, 8.5648



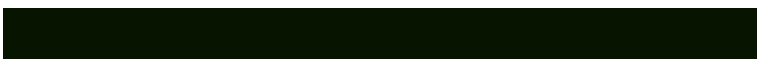
14.2866, 28.1197, 6.1590



7.6306, 8.5077, 8.0292



11.5392, 21.6459, 3.5699



0.3302, 0.5521, 0.0892

Inverse Universe

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



14.8165, 6.8219, 37.5831



26.6635, 12.2639, 68.1869



20.4807, 10.0581, 23.5648



7.6300, 7.5574, 9.4749



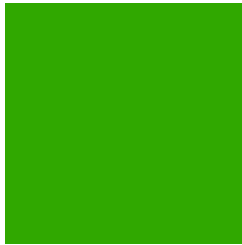
11.2400, 5.1779, 28.3825



0.3200, 0.1500, 0.6927

Previews

White Background



This preview shows how the XYZ color 15.2216, 28.6336, 4.7246 looks on a white background.

Color Contrast Check

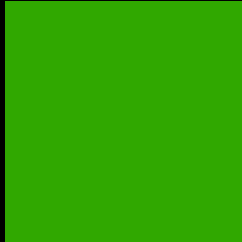
Large Text (above 18pt) WCAG AA ✓ Pass

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 15.2216, 28.6336, 4.7246 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 15.2216, 28.6336, 4.7246

Background



This preview shows how black text looks on a background with the XYZ color 15.2216, 28.6336, 4.7246.



This preview shows how white text looks on a background with the XYZ color 15.2216, 28.6336,

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

15.2216, 28.6336, 4.7246

Protanopia

25.2297, 28.0373, 4.0820

Deuteranopia

28.5555, 27.9638, 5.5616



Tritanopia

22.6172, 28.4805, 41.8414

Trichromacy



Original Color

15.2216, 28.6336, 4.7246



Protanomaly

19.2764, 26.8474, 4.1661



Deuteranomaly

20.4174, 26.2282, 4.7971



Tritanomaly

17.8034, 27.5264, 18.5622

Monochromacy



Original Color

15.2216, 28.6336, 4.7246



Achromatopsia

15.6958, 16.5132, 17.9829



Achromatomaly

13.6771, 19.3668, 9.1482

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.2216, 28.6336, 4.7246 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(48, 168, 0)` looks like.

```
.text, #text, p{  
    color:rgb(48, 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(48, 168, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(48, 168, 0) }
```

Border

The CSS property to change the border of an element to XYZ 15.2216, 28.6336, 4.7246 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(48, 168, 0) }
```


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

```
.border{ border-color:rgb(48, 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(48, 168, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(48, 168, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(48, 168, 0);  
box-shadow:4px 4px 4px 4px rgb(48, 168, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 15.2216, 28.6336, 4.7246 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(48, 168, 0) }
```

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

```
.background{ background-color: rgb(48, 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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