

Converting Colors

XYZ(17.0245, 28.2185, 4.5663)

Have a look what the booklet for
XYZ(17.0245, 28.2185, 4.5663)
contains.

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Color

**XYZ(17.0332, 28.2228,
4.5785)**

Conversions

Conversions Part 1

Format	Color
Hex	57A301
RGB	87, 163, 1
RGB Percent	34%, 64%, 0%
CMY	0.6588, 0.3608, 0.9960
CMYK	0.47, 0.00, 0.99, 0.36
HSL	88°, 99%, 32%
HSV	88°, 99%, 64%
XYZ	17.0332, 28.2228, 4.5785
YIQ	121.8080, 6.7060, -66.4940

Conversions

Conversions Part 2

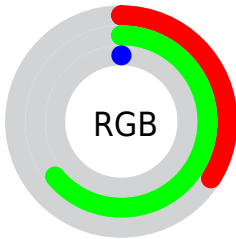
Format	Color
RYB	1, 163, 77
Decimal	5743361
CIELab	60.09, -46.08, 61.64
CIELCh	60, 76.958, 126.778
Yxy	28.2228, 0.3418, 0.5663
Android (android.graphics.Color)	4283933441 (0xFF57A301)
YUV	121.8080, -59.5583, -30.5266
Hunter-Lab	53.1251, -35.7376, 32.0778

Details

The XYZ color **17.0332, 28.2228, 4.5785** is a dark color, and the websafe version is hex **339900**. A complement of this color would be **9.6841, 4.2449, 34.9608**, and the grayscale version is **18.6239, 19.5938, 21.3376**.

A 20% lighter version of the original color is **38.0357, 57.0734, 15.3149**, and **5.9068, 11.3224, 1.8741** is the 20% darker color. If you saturate the color by 10%, you get **16.9840, 28.1990, 4.5478**, and if you desaturate by 10%, it is **17.8843, 28.6511, 5.1309**.

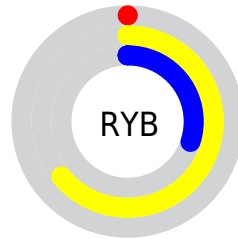
Distribution



Red (34%)

Green (64%)

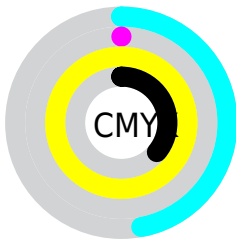
Blue (0%)



Red (0%)

Yellow (64%)

Blue (30%)

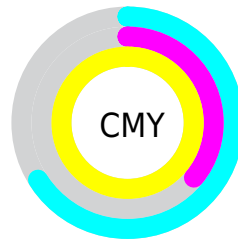


Cyan (47%)

Magenta (0%)

Yellow (99%)

Black (36%)



Cyan (66%)

Magenta (36%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.0332, 28.2228, 4.5785 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 17.0332, 28.2228, 4.5785 by changing the saturation by 10% instead.

■ 17.0332, 28.2228,
4.5785

■ 17.0332, 28.2228,
4.5785

228.5161,
293.5300, 154.4534

■ 10.3536, 18.4937,
1.9478

■ 37.9260, 56.8400,
15.3234

■ 5.6981, 11.3050,
0.5229

■ 52.8699, 76.4968,
24.2746

■ 2.7013, 6.2724,
0.0000

■ 71.2993, 100.2316,
36.1698

■ 0.9978, 3.0114,
0.0000

■ 93.5796, 128.4289,
51.4274

■ 0.0000, 1.1377,
0.0000

■ 120.0760,
161.4730, 70.4661


■ 0.0000, 0.0099,
0.0000


■ 151.1540,


■ 0.0000, 0.0000,


199.7482, 93.7042


0.0000


 187.1790,
243.6391, 121.5605


 17.0332, 28.2228,
4.5785


 17.0332, 28.2228,
4.5785


 16.9840, 28.1990,
4.5478

 17.8843, 28.6511,
5.1309

 18.8941, 29.1509,
6.1153

 20.0951, 29.7365,
7.6886

 21.5034, 30.4145,
9.9248

 23.1329, 31.1906,
12.8870

■ 24.9962, 32.0703,
16.6310

■ 27.1046, 33.0581,
21.2070

■ 29.4687, 34.1585,
26.6611

■ 32.0983, 35.3758,
33.0360

Harmonies

Analogous

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



24.6575, 28.2228, 2.2359



17.0332, 28.2228, 4.5785



12.9446, 28.2228, 13.9580

Triad

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



17.0332, 28.2228, 4.5785



20.0469, 28.2228, 112.0356



50.2848, 28.2228, 24.7791

Complementary

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



17.0332, 28.2228, 4.5785



9.6841, 4.2449, 34.9608

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.



48.1894, 28.2228, 57.3664



17.0332, 28.2228, 4.5785



29.1157, 28.2228, 121.7894

Square

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



17.0332, 28.2228, 4.5785



14.3646, 28.2228, 75.8115



39.7932, 28.2228, 97.5868



44.9705, 28.2228, 8.3919

Rectangle

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



17.0332, 28.2228, 4.5785



12.0435, 28.2228, 27.7890



39.7932, 28.2228, 97.5868



50.4402, 28.2228, 33.8711

Sweetspot

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



17.0338, 28.2240, 4.5791



48.0718, 58.9831, 36.9326



17.7371, 13.0423, 1.6117



10.4490, 13.0846, 7.5312



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

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



17.0338, 28.2240, 4.5791



30.1825, 50.3797, 8.1335



13.1836, 26.2391, 4.3989



7.3277, 8.0714, 7.5518



13.2520, 21.9421, 3.5368



0.3325, 0.4889, 0.0768

Inverse Universe

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



9.6841, 4.2449, 34.9608



17.0183, 7.4055, 62.5886



20.6448, 9.8954, 35.4738



7.0016, 7.0152, 8.8881



7.5354, 3.2911, 27.1679



0.2128, 0.0972, 0.5734

Previews

White Background



This preview shows how the XYZ color 17.0332, 28.2228, 4.5785 looks on a white background.

Color Contrast Check

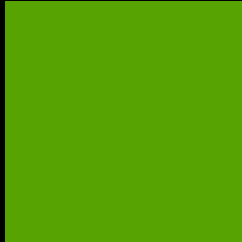
Large Text (above 18pt) WCAG AA ✓ Pass

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 17.0332, 28.2228, 4.5785 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 17.0332, 28.2228, 4.5785

Background



This preview shows how black text looks on a background with the XYZ color 17.0332, 28.2228, 4.5785.



This preview shows how white text looks on a background with the XYZ color 17.0332, 28.2228,

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

17.0332, 28.2228, 4.5785

Protanopia

25.0775, 27.7330, 4.0313

Deuteranopia

28.2762, 27.8249, 5.3193



Tritanopia

23.9925, 28.2626, 39.3126

Trichromacy



Original Color

17.0332, 28.2228, 4.5785

Protanomaly

21.0583, 27.2841, 4.1565

Deuteranomaly

22.4469, 26.8150, 4.7022

Tritanomaly

19.6938, 27.5062, 17.6359

Monochromacy



Original Color

17.0332, 28.2228, 4.5785

Achromatopsia

18.4984, 19.4618, 21.1939

Achromatomaly

16.6275, 21.6926, 10.5185

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.0332, 28.2228, 4.5785 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(87, 163, 1)` looks like.

```
.text, #text, p{  
    color:rgb(87, 163, 1)  
}
```

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(87, 163, 1) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 163, 1) }
```

Border

The CSS property to change the border of an element to XYZ 17.0332, 28.2228, 4.5785 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(87, 163, 1) }
```


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

```
.border{ border-color:rgb(87, 163, 1) }
```

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

Here you see how a box with a 4 pixel `rgb(87, 163, 1)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 163, 1); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 163, 1);  
box-shadow:4px 4px 4px 4px rgb(87, 163, 1)  
}
```

Background

The CSS property to change the background color of an element to XYZ 17.0332, 28.2228, 4.5785 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 163, 1) }
```

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

```
.background{ background-color: rgb(87, 163,  
1) }
```

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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