

Converting Colors

XYZ(18.3333, 28.8426, 9.9453)

Have a look what the booklet for
XYZ(18.3333, 28.8426, 9.9453)
contains.

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Color

**XYZ(18.3268, 28.7733,
9.8981)**

Conversions

Conversions Part 1

Format	Color
Hex	5AA343
RGB	90, 163, 67
RGB Percent	35%, 64%, 26%
CMY	0.6471, 0.3608, 0.7372
CMYK	0.45, 0.00, 0.59, 0.36
HSL	106°, 42%, 45%
HSV	106°, 59%, 64%
XYZ	18.3268, 28.7733, 9.8981
YIQ	130.2290, -12.6920, -45.3320

Conversions

Conversions Part 2

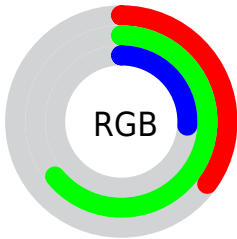
Format	Color
RYB	67, 163, 140
Decimal	5940035
CIELab	60.58, -41.23, 42.11
CIElCh	61, 58.934, 134.397
Yxy	28.7733, 0.3215, 0.5048
Android (android.graphics.Color)	4284130115 (0xFF5AA343)
YUV	130.2290, -31.1719, -35.2808
Hunter-Lab	53.6407, -32.8853, 26.6080

Details

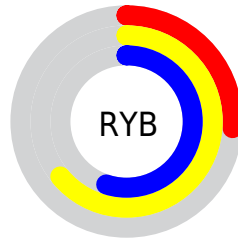
The XYZ color **18.3268, 28.7733, 9.8981** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **19.4347, 12.2351, 35.9892**, and the grayscale version is **21.4101, 22.5251, 24.5298**.

A 20% lighter version of the original color is **40.2786, 57.9908, 26.2100**, and **6.2824, 11.5069, 2.3054** is the 20% darker color. If you saturate the color by 10%, you get **16.7984, 28.0350, 7.6236**, and if you desaturate by 10%, it is **20.1953, 29.6728, 12.9082**.

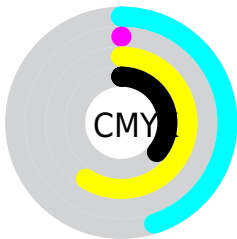
Distribution



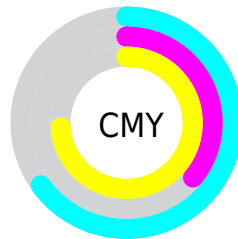
- Red (35%)
- Green (64%)
- Blue (26%)



- Red (26%)
- Yellow (64%)
- Blue (55%)



- Cyan (45%)
- Magenta (0%)
- Yellow (59%)
- Black (36%)





- Cyan (65%)
- Magenta (36%)
- Yellow (74%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 18.3268, 28.7733, 9.8981 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 18.3268, 28.7733, 9.8981 by changing the saturation by 10% instead.


 18.3268, 28.7733,
9.8981


 18.3268, 28.7733,
9.8981


235.7168,
296.1438, 200.4016


 11.2860, 18.9094,
5.2267


 40.1191, 57.7167,
26.2085


 6.3282, 11.6048,
2.3198


 55.6014, 77.5650,
38.6846


 3.0882, 6.4752,
0.7423


 74.6281, 101.5102,
54.5993

 1.2006, 3.1361,
0.0000

 97.5647, 129.9367,
74.3712

 0.1068, 1.2032,
0.0000

 124.7765,
163.2290, 98.4188

 0.0000, 0.0643,
0.0000

156.6289,

 0.0000, 0.0000,

201.7713, 127.1608

0.0000

193.4872,
245.9481, 161.0155

■ 18.3268, 28.7733,
9.8981

■ 18.3268, 28.7733,
9.8981

■ 16.7984, 28.0350,
7.6236

■ 20.1953, 29.6728,
12.9082

■ 15.5862, 27.4444,
6.0198

■ 22.4217, 30.7387,
16.7077

■ 14.6662, 26.9914,
5.0135

■ 25.0248, 31.9807,
21.3477

■ 13.9991, 26.6591,
4.4596

■ 28.0216, 33.4063,
26.8743

■ 13.9363, 26.6278,
4.4052

■ 31.4279, 35.0230,
33.3305

■ 35.2586, 36.8374,
40.7563

■ 39.5279, 38.8561,
49.1893

■ 44.2494, 41.0852,
58.6654

■ 49.4360, 43.5308,
69.2183

Harmonies

Analogous

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



23.8653, 28.7733, 5.7312



18.3268, 28.7733, 9.8981



15.5269, 28.7733, 21.3462

Triad

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



18.3268, 28.7733, 9.8981



23.5945, 28.7733, 91.5931



44.1311, 28.7733, 22.0133

Complementary

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



18.3268, 28.7733, 9.8981



19.4347, 12.2351, 35.9892

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.



44.0215, 28.7733, 44.0215



18.3268, 28.7733, 9.8981



31.1543, 28.7733, 92.0610

Square

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



18.3268, 28.7733, 9.8981



18.1604, 28.7733, 70.7984



38.9297, 28.7733, 71.8789



39.2062, 28.7733, 10.1905

Rectangle

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



18.3268, 28.7733, 9.8981



15.1888, 28.7733, 34.6569



38.9297, 28.7733, 71.8789



44.7072, 28.7733, 28.2217

Sweetspot

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



18.3275, 28.7745, 9.8987



50.5048, 59.9788, 48.7315



25.3512, 26.6583, 9.1201



10.9877, 13.3020, 10.2814



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.



18.3275, 28.7745, 9.8987



29.2787, 49.8153, 12.5407



17.3012, 28.1443, 14.4188



7.1371, 7.9732, 7.5429



10.8660, 20.7121, 3.4251



0.2674, 0.4554, 0.0738

Inverse Universe

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



19.4347, 12.2351, 35.9892



31.3543, 17.3034, 63.7434



21.7727, 13.6657, 25.9175



7.1978, 7.1163, 8.8973



11.6345, 5.4043, 27.3597



0.2825, 0.1332, 0.5767

Previews

White Background



This preview shows how the XYZ color 18.3268, 28.7733, 9.8981 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 18.3268, 28.7733, 9.8981 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 18.3268, 28.7733, 9.8981

Background



This preview shows how black text looks on a background with the XYZ color 18.3268, 28.7733, 9.8981.



This preview shows how white text looks on a background with the XYZ color 18.3268, 28.7733,

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

18.3268, 28.7733, 9.8981

Protanopia

26.0487, 28.5870, 8.7023

Deuteranopia

28.9149, 28.2551, 10.4084



Tritanopia

24.3671, 28.6872, 39.8502

Trichromacy



Original Color

18.3268, 28.7733, 9.8981

Protanomaly

22.3070, 28.0609, 9.0911

Deuteranomaly

23.6037, 27.5254, 10.0301

Tritanomaly

21.3862, 28.4656, 25.1361

Monochromacy



Original Color

18.3268, 28.7733, 9.8981

Achromatopsia

21.2178, 22.3228, 24.3095

Achromatomaly

19.3971, 24.0524, 17.5302

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.3268, 28.7733, 9.8981 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(90, 163, 67)` looks like.

```
.text, #text, p{  
    color:rgb(90, 163, 67)  
}
```

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(90, 163, 67) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 163, 67) }
```

Border

The CSS property to change the border of an element to XYZ 18.3268, 28.7733, 9.8981 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(90, 163, 67) }
```


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

```
.border{ border-color:rgb(90, 163, 67) }
```

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

Here you see how a box with a 4 pixel `rgb(90, 163, 67)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(90, 163, 67); -webkit-box-  
shadow:4px 4px 4px 4px rgb(90, 163, 67);  
box-shadow:4px 4px 4px 4px rgb(90, 163,  
67) }
```

Background

The CSS property to change the background color of an element to XYZ 18.3268, 28.7733, 9.8981 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(90, 163, 67) }
```

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

```
.background{ background-color: rgb(90, 163,  
67) }
```

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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