

Converting Colors

XYZ(16.8921, 28.3045, 9.7886)

Have a look what the booklet for
XYZ(16.8921, 28.3045, 9.7886)
contains.

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Color

**XYZ(16.8574, 28.2839,
9.7251)**

Conversions

Conversions Part 1

Format	Color
Hex	47A442
RGB	71, 164, 66
RGB Percent	28%, 64%, 26%
CMY	0.7216, 0.3568, 0.7412
CMYK	0.57, 0.00, 0.60, 0.36
HSL	117°, 43%, 45%
HSV	117°, 60%, 64%
XYZ	16.8574, 28.2839, 9.7251
YIQ	125.0210, -23.9700, -50.1940

Conversions

Conversions Part 2

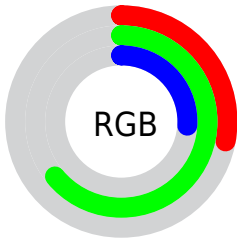
Format	Color
R_{YB}	66, 164, 159
Decimal	4695106
CIE _{Lab}	60.14, -47.29, 41.88
CIE _{LCh}	60, 63.167, 138.467
Yxy	28.2839, 0.3072, 0.5155
Android (android.graphics.Color)	4282885186 (0xFF47A442)
YUV	125.0210, -29.0974, -47.3764
Hunter-Lab	53.1826, -36.4901, 26.3859

Details

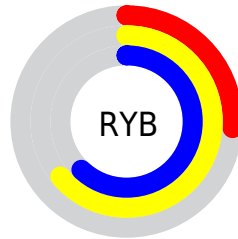
The XYZ color **16.8574, 28.2839, 9.7251** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **22.9486, 13.9487, 36.6063**, and the grayscale version is **19.6014, 20.6222, 22.4576**.

A 20% lighter version of the original color is **37.7062, 57.0599, 25.8560**, and **5.7508, 11.3954, 2.2443** is the 20% darker color. If you saturate the color by 10%, you get **15.4428, 27.6036, 7.4869**, and if you desaturate by 10%, it is **18.7044, 29.1728, 12.7084**.

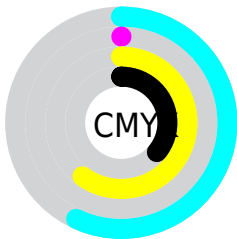
Distribution



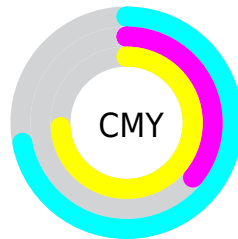
- Red (28%)
- Green (64%)
- Blue (26%)



- Red (26%)
- Yellow (64%)
- Blue (62%)



- Cyan (57%)
- Magenta (0%)
- Yellow (60%)
- Black (36%)





- Cyan (72%)
- Magenta (36%)
- Yellow (74%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 16.8574, 28.2839, 9.7251 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 16.8574, 28.2839, 9.7251 by changing the saturation by 10% instead.


 16.8574, 28.2839,
9.7251


 16.8574, 28.2839,
9.7251


227.5216,
293.8210, 199.1117


 10.2275, 18.5398,
5.1139


 37.6260, 56.9374,
25.8768


 5.6135, 11.3382,
2.2543


 52.4954, 76.6155,
38.2544

 2.6499, 6.2948,
0.7055


 70.8421, 100.3738,
54.0578

 0.9715, 3.0252,
0.0000

 93.0314, 128.5966,
73.7056

 0.0000, 1.1449,
0.0000

 119.4286,
161.6684, 97.6164

 0.0000, 0.0160,
0.0000

150.3992,

 0.0000, 0.0000,

199.9734, 126.2086

0.0000

186.3084,
243.8962, 159.9008

■ 16.8574, 28.2839,
9.7251

■ 16.8574, 28.2839,
9.7251

■ 15.4428, 27.6036,
7.4869

■ 18.7044, 29.1728,
12.7084

■ 14.4235, 27.1116,
5.9266

■ 21.0129, 30.2815,
16.4926

■ 13.7598, 26.7899,
4.9680

■ 23.8118, 31.6246,
21.1303

■ 13.3877, 26.6094,
4.4421

■ 27.1272, 33.2146,
26.6693

■ 13.3807, 26.6061,
4.4302

■ 30.9833, 35.0630,
33.1536

■ 35.4028, 37.1805,
40.6245

■ 40.4068, 39.5773,
49.1208

■ 46.0158, 42.2631,
58.6791

■ 52.2490, 45.2471,
69.3343

Harmonies

Analogous

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



22.2599, 28.2839, 4.9477



16.8574, 28.2839, 9.7251



14.3623, 28.2839, 22.7366

Triad

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



16.8574, 28.2839, 9.7251



23.8977, 28.2839, 98.1122



44.4565, 28.2839, 18.7523

Complementary

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



16.8574, 28.2839, 9.7251



22.9486, 13.9487, 36.6063

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.



45.1395, 28.2839, 40.5660



16.8574, 28.2839, 9.7251



32.1056, 28.2839, 95.1298

Square

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



16.8574, 28.2839, 9.7251



17.8488, 28.2839, 77.4973



40.2566, 28.2839, 70.6737



38.5438, 28.2839, 8.0663

Rectangle

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



16.8574, 28.2839, 9.7251



14.2676, 28.2839, 37.8166



40.2566, 28.2839, 70.6737



45.3435, 28.2839, 24.7036

Sweetspot

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



16.8581, 28.2851, 9.7257



50.1693, 60.7339, 49.9685



28.4306, 32.5595, 9.9408



10.5730, 13.0883, 10.2620



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.



16.8581, 28.2851, 9.7257



27.2850, 49.7437, 12.4351



18.2548, 28.8032, 18.9162



7.0174, 7.9115, 7.5373



10.2718, 20.4058, 3.3973



0.2253, 0.4336, 0.0718

Inverse Universe

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



22.9486, 13.9487, 36.6063



39.3243, 21.2642, 65.7841



20.7431, 13.1833, 19.7134



7.3285, 7.1837, 8.9034



15.6087, 7.4531, 27.5457



0.3380, 0.1618, 0.5793

Previews

White Background



This preview shows how the XYZ color 16.8574, 28.2839, 9.7251 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 16.8574, 28.2839, 9.7251 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 16.8574, 28.2839, 9.7251

Background



This preview shows how black text looks on a background with the XYZ color 16.8574, 28.2839, 9.7251.



This preview shows how white text looks on a background with the XYZ color 16.8574, 28.2839,

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

16.8574, 28.2839, 9.7251

Protanopia

25.2861, 27.7463, 8.2978

Deuteranopia

28.3132, 27.7328, 10.3393



Tritanopia

22.9527, 28.1915, 40.3082

Trichromacy



Original Color

16.8574, 28.2839, 9.7251



Protanomaly

20.8382, 27.0702, 8.6842



Deuteranomaly

22.0523, 26.7256, 9.9575



Tritanomaly

20.0024, 27.9967, 25.4688

Monochromacy



Original Color

16.8574, 28.2839, 9.7251



Achromatopsia

19.4927, 20.5079, 22.3331



Achromatomaly

17.5570, 22.4680, 16.5081

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.8574, 28.2839, 9.7251 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(71, 164, 66)` looks like.

```
.text, #text, p{  
    color:rgb(71, 164, 66)  
}
```

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(71, 164, 66) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(71, 164, 66) }
```

Border

The CSS property to change the border of an element to XYZ 16.8574, 28.2839, 9.7251 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(71, 164, 66) }
```


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

```
.border{ border-color:rgb(71, 164, 66) }
```

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

Here you see how a box with a 4 pixel `rgb(71, 164, 66)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(71, 164, 66); -webkit-box-  
shadow:4px 4px 4px 4px rgb(71, 164, 66);  
box-shadow:4px 4px 4px 4px rgb(71, 164,  
66) }
```

Background

The CSS property to change the background color of an element to XYZ 16.8574, 28.2839, 9.7251 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(71, 164, 66) }
```

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

```
.background{ background-color: rgb(71, 164,  
66) }
```

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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