

Converting Colors

XYZ(12.0368, 17.8587, 9.3386)

Have a look what the booklet for
XYZ(12.0368, 17.8587, 9.3386)
contains.

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Color

**XYZ(12.0427, 17.9155,
9.3019)**

Conversions

Conversions Part 1

Format	Color
Hex	4A824A
RGB	74, 130, 74
RGB Percent	29%, 51%, 29%
CMY	0.7098, 0.4902, 0.7098
CMYK	0.43, 0.00, 0.43, 0.49
HSL	120°, 27%, 40%
HSV	120°, 43%, 51%
XYZ	12.0427, 17.9155, 9.3019
YIQ	106.8720, -15.4000, -29.2880

Conversions

Conversions Part 2

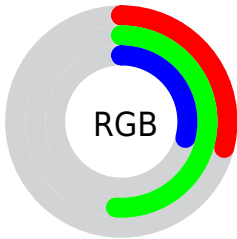
Format	Color
RYB	74, 130, 130
Decimal	4883018
CIELab	49.39, -30.74, 24.66
CIElCh	49, 39.409, 141.259
Yxy	17.9155, 0.3067, 0.4563
Android (android.graphics.Color)	4283073098 (0xFF4A824A)
YUV	106.8720, -16.2059, -28.8287
Hunter-Lab	42.3267, -23.2853, 16.5989

Details

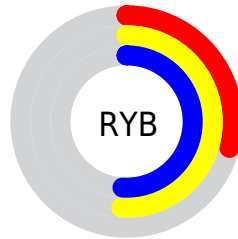
The XYZ color **12.0427, 17.9155, 9.3019** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **15.6845, 11.2554, 22.4655**, and the grayscale version is **13.9866, 14.7149, 16.0246**.

A 20% lighter version of the original color is **29.1128, 39.7327, 24.8737**, and **3.4091, 5.9917, 2.0754** is the 20% darker color. If you saturate the color by 10%, you get **10.7498, 17.2950, 7.1868**, and if you desaturate by 10%, it is **13.6339, 18.6804, 11.9043**.

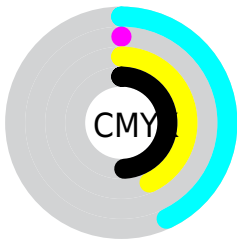
Distribution



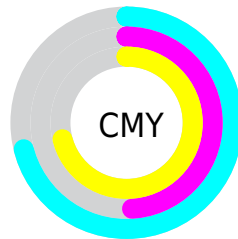
- Red (29%)
- Green (51%)
- Blue (29%)



- Red (29%)
- Yellow (51%)
- Blue (51%)



- Cyan (43%)
- Magenta (0%)
- Yellow (43%)
- Black (49%)





- Cyan (71%)
- Magenta (49%)
- Yellow (71%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 12.0427, 17.9155, 9.3019 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 12.0427, 17.9155, 9.3019 by changing the saturation by 10% instead.


 12.0427, 17.9155,
9.3019


 12.0427, 17.9155,
9.3019


198.4519,
240.3943, 195.9146


 6.8452, 10.8893,
4.8391


 29.1890, 39.8933,
25.0608


 3.4109, 5.9925,
2.0961

 41.8685, 55.6137,
37.1941


 1.3746, 2.8405,
0.6134

 57.7728, 75.0010,
52.7213

 0.2380, 1.0490,
0.0000

 77.2671, 98.4395,
72.0609

 0.0000, 0.0000,
0.0000

 100.7168,
126.3138, 95.6315

128.4872,

159.0080, 123.8516

160.9438,
196.9068, 157.1398

■ 12.0427, 17.9155,
9.3019

■ 12.0427, 17.9155,
9.3019

■ 10.7498, 17.2950,
7.1868

■ 13.6339, 18.6804,
11.9043

■ 9.7354, 16.8077,
5.5276

■ 15.5390, 19.5955,
15.0203

■ 8.9795, 16.4446,
4.2911


■ 17.7739, 20.6690,
18.6760


■ 8.4587, 16.1944,
3.4392


■ 20.3534, 21.9081,
22.8952


■ 8.1449, 16.0437,
2.9260


■ 23.2911, 23.3192,
27.7003

 7.9830, 15.9660,
2.6611

 26.5999, 24.9086,
33.1124

 30.2922, 26.6822,
39.1518

 34.3798, 28.6457,
45.8376

 38.8738, 30.8044,
53.1883

Harmonies

Analogous

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



14.5676, 17.9155, 5.9793



12.0427, 17.9155, 9.3019



10.8994, 17.9155, 16.5605

Triad

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



12.0427, 17.9155, 9.3019



15.9656, 17.9155, 47.5135



24.5895, 17.9155, 12.9906

Complementary

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



12.0427, 17.9155, 9.3019



15.6845, 11.2554, 22.4655

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.



25.1080, 17.9155, 22.7837



12.0427, 17.9155, 9.3019



19.7513, 17.9155, 45.4544

Square

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



12.0427, 17.9155, 9.3019



12.9381, 17.9155, 40.2065



23.2286, 17.9155, 35.3122



21.9004, 17.9155, 7.5068

Rectangle

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



12.0427, 17.9155, 9.3019



10.9399, 17.9155, 23.7793



23.2286, 17.9155, 35.3122



25.0375, 17.9155, 15.7797

Sweetspot

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



12.0432, 17.9163, 9.3023



31.2083, 36.3543, 32.7385



18.4253, 21.2064, 9.6008



6.8848, 8.1426, 7.1174



62.3462, 65.5931, 71.4309



8.4577, 8.8982, 9.6901

Same Dimension

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



12.0432, 17.9163, 9.3023



18.9101, 30.4468, 12.6226



13.2054, 18.3812, 15.4227



4.2760, 4.8187, 4.6249



7.6541, 15.3082, 2.5514



0.0000, 0.0000, 0.0000

Inverse Universe

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



15.6845, 11.2554, 22.4655



26.2345, 17.0489, 39.0998



14.0535, 10.6030, 13.8767



4.4982, 4.4124, 5.4279



12.6904, 6.0958, 20.7569



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 12.0427, 17.9155, 9.3019 looks on a white 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

Black Background



This preview shows how the XYZ color 12.0427, 17.9155, 9.3019 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 12.0427, 17.9155, 9.3019

Background



This preview shows how black text looks on a background with the XYZ color 12.0427, 17.9155, 9.3019.



This preview shows how white text looks on a background with the XYZ color 12.0427, 17.9155,

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

12.0427, 17.9155, 9.3019

Protanopia

16.3376, 17.7414, 8.1936

Deuteranopia

17.9845, 17.7138, 9.6790



Tritanopia

15.1543, 17.8378, 24.8346

Trichromacy



Original Color

12.0427, 17.9155, 9.3019

Protanomaly

14.2812, 17.5621, 8.5984

Deuteranomaly

15.1388, 17.4425, 9.5900

Tritanomaly

13.8652, 17.8854, 18.0507

Monochromacy



Original Color

12.0427, 17.9155, 9.3019

Achromatopsia

13.9749, 14.7027, 16.0113

Achromatomaly

12.9156, 15.5206, 13.1415

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.0427, 17.9155, 9.3019 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(74, 130, 74)` looks like.

```
.text, #text, p{  
    color:rgb(74, 130, 74)  
}
```

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(74, 130, 74) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(74, 130, 74) }
```

Border

The CSS property to change the border of an element to XYZ 12.0427, 17.9155, 9.3019 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(74, 130, 74) }
```


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

```
.border{ border-color:rgb(74, 130, 74) }
```

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

Here you see how a box with a 4 pixel `rgb(74, 130, 74)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(74, 130, 74); -webkit-box-  
shadow:4px 4px 4px 4px rgb(74, 130, 74);  
box-shadow:4px 4px 4px 4px rgb(74, 130,  
74) }
```

Background

The CSS property to change the background color of an element to XYZ 12.0427, 17.9155, 9.3019 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(74, 130, 74) }
```

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

```
.background{ background-color: rgb(74, 130,  
74) }
```

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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