

Converting Colors

XYZ(15.3097, 28.1495, 5.1415)

Have a look what the booklet for
XYZ(15.3097, 28.1495, 5.1415)
contains.

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Color

**XYZ(15.3129, 28.1251,
5.1519)**

Conversions

Conversions Part 1

Format	Color
Hex	37A611
RGB	55, 166, 17
RGB Percent	22%, 65%, 7%
CMY	0.7843, 0.3490, 0.9333
CMYK	0.67, 0.00, 0.90, 0.35
HSL	105°, 81%, 36%
HSV	105°, 90%, 65%
XYZ	15.3129, 28.1251, 5.1519
YIQ	115.8250, -18.3270, -69.8710

Conversions

Conversions Part 2

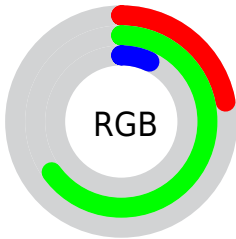
Format	Color
R_{YB}	17, 166, 128
Decimal	3646993
CIE _{Lab}	60.00, -55.53, 58.70
CIE _{LCh}	60, 80.801, 133.409
Yxy	28.1251, 0.3151, 0.5788
Android (android.graphics.Color)	4281837073 (0xFF37A611)
YUV	115.8250, -48.7207, -53.3435
Hunter-Lab	53.0331, -41.2674, 31.3634

Details

The XYZ color **15.3129, 28.1251, 5.1519** is a dark color, and the websafe version is hex **339900**. A complement of this color would be **15.9880, 7.7447, 36.7301**, and the grayscale version is **16.6962, 17.5657, 19.1291**.

A 20% lighter version of the original color is **34.8687, 56.5890, 16.4821**, and **5.9051, 11.8103, 1.9684** is the 20% darker color. If you saturate the color by 10%, you get **14.6199, 27.7801, 4.6033**, and if you desaturate by 10%, it is **16.2599, 28.5931, 6.1461**.

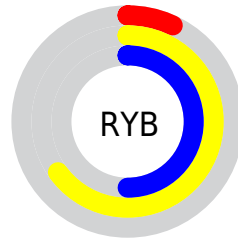
Distribution



Red (22%)

Green (65%)

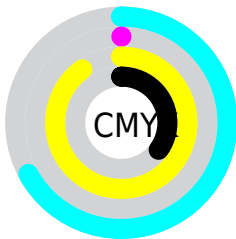
Blue (7%)



Red (7%)

Yellow (65%)

Blue (50%)

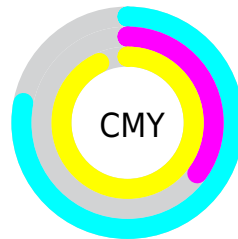


Cyan (67%)

Magenta (0%)

Yellow (90%)

Black (35%)



Cyan (78%)

Magenta (35%)

Yellow (93%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.3129, 28.1251, 5.1519 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 15.3129, 28.1251, 5.1519 by changing the saturation by 10% instead.

■ 15.3129, 28.1251,
5.1519

■ 15.3129, 28.1251,
5.1519

218.6034,
293.0642, 160.2778

■ 9.1270, 18.4200,
2.2764

■ 34.9683, 56.6841,
16.5896

■ 4.8819, 11.2519,
0.7179

■ 49.1686, 76.3068,
25.9888

■ 2.2122, 6.2366,
0.0000

■ 66.7711, 100.0041,
38.3997

■ 0.7491, 2.9894,
0.0000

■ 88.1410, 128.1605,
54.2408

■ 0.0000, 1.1262,
0.0000

■ 113.6439,
161.1603, 73.9306

■ 0.0000, 0.0002,
0.0000

■ 143.6450,

■ 0.0000, 0.0000,

199.3879, 97.8876

0.0000

178.5097,
243.2277, 126.5305

■ 15.3129, 28.1251,
5.1519

■ 15.3129, 28.1251,
5.1519

■ 14.6199, 27.7801,
4.6033

■ 16.2599, 28.5931,
6.1461

■ 14.6050, 27.7727,
4.5909

■ 17.5030, 29.1996,
7.7551

■ 19.0681, 29.9571,
10.0578

■ 20.9777, 30.8757,
13.1211

■ 23.2519, 31.9646,
17.0038

■ 25.9094, 33.2320,
21.7590

■ 28.9673, 34.6860,
27.4355

■ 32.4418, 36.3337,
34.0783

■ 36.3482, 38.1823,
41.7293

Harmonies

Analogous

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



22.4025, 28.1251, 1.9626



15.3129, 28.1251, 5.1519



11.9032, 28.1251, 17.1285

Triad

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



15.3129, 28.1251, 5.1519



21.4723, 28.1251, 123.3171



50.9588, 28.1251, 19.2758

Complementary

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



15.3129, 28.1251, 5.1519



15.9880, 7.7447, 36.7301

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.



50.5229, 28.1251, 49.8148



15.3129, 28.1251, 5.1519



31.5863, 28.1251, 125.3900

Square

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



15.3129, 28.1251, 5.1519



14.7833, 28.1251, 88.3785



42.7591, 28.1251, 92.9658



43.8305, 28.1251, 5.8602

Rectangle

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



15.3129, 28.1251, 5.1519



11.4493, 28.1251, 34.1165



42.7591, 28.1251, 92.9658



51.7379, 28.1251, 27.3773

Sweetspot

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



15.3136, 28.1263, 5.1525



48.2062, 60.8746, 41.6598



23.3234, 23.1391, 3.7677



10.4056, 13.4407, 8.6242



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.



15.3136, 28.1263, 5.1525



26.3386, 50.3167, 8.3239



14.4829, 27.6387, 7.7938



7.6094, 8.4967, 8.0282



11.3629, 21.5550, 3.5617



0.3224, 0.5481, 0.0888

Inverse Universe

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



15.9880, 7.7447, 36.7301



27.2876, 12.6242, 66.4738



20.0400, 10.1537, 22.4610



7.6524, 7.5689, 9.4760



11.7914, 5.4621, 28.4083



0.3301, 0.1552, 0.6932

Previews

White Background



This preview shows how the XYZ color 15.3129, 28.1251, 5.1519 looks on a white background.

Color Contrast Check

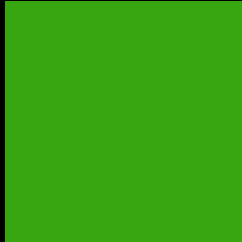
Large Text (above 18pt) WCAG AA ✓ Pass

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 15.3129, 28.1251, 5.1519 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 15.3129, 28.1251, 5.1519

Background



This preview shows how black text looks on a background with the XYZ color 15.3129, 28.1251, 5.1519.



This preview shows how white text looks on a background with the XYZ color 15.3129, 28.1251,

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

15.3129, 28.1251, 5.1519

Protanopia

24.9009, 27.6389, 4.1660

Deuteranopia

27.9764, 27.4516, 5.6579



Tritanopia

22.3684, 27.8797, 40.7616

Trichromacy



Original Color

15.3129, 28.1251, 5.1519

Protanomaly

19.4459, 26.6871, 4.3847

Deuteranomaly

20.6597, 26.1121, 5.1795

Tritanomaly

18.0531, 27.1194, 19.6123

Monochromacy



Original Color

15.3129, 28.1251, 5.1519

Achromatopsia

16.6002, 17.4647, 19.0191

Achromatomaly

14.5892, 20.0091, 10.6826

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.3129, 28.1251, 5.1519 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(55, 166, 17)` looks like.

```
.text, #text, p{  
    color:rgb(55, 166, 17)  
}
```

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(55, 166, 17) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(55, 166, 17) }
```

Border

The CSS property to change the border of an element to XYZ 15.3129, 28.1251, 5.1519 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(55, 166, 17) }
```


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

```
.border{ border-color:rgb(55, 166, 17) }
```

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

Here you see how a box with a 4 pixel `rgb(55, 166, 17)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(55, 166, 17); -webkit-box-  
shadow:4px 4px 4px 4px rgb(55, 166, 17);  
box-shadow:4px 4px 4px 4px rgb(55, 166,  
17) }
```

Background

The CSS property to change the background color of an element to XYZ 15.3129, 28.1251, 5.1519 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(55, 166, 17) }
```

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

```
.background{ background-color: rgb(55, 166,  
17) }
```

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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