

Converting Colors

XYZ(27.2409, 14.5579, 51.7303)

Have a look what the booklet for
XYZ(27.2409, 14.5579, 51.7303)
contains.

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Color

**XYZ(27.3015, 14.5929,
51.8298)**

Conversions

Conversions Part 1

Format	Color
Hex	AA31C1
RGB	170, 49, 193
RGB Percent	67%, 19%, 76%
CMY	0.3333, 0.8078, 0.2431
CMYK	0.12, 0.75, 0.00, 0.24
HSL	290°, 60%, 47%
HSV	290°, 75%, 76%
XYZ	27.3015, 14.5929, 51.8298
YIQ	101.5950, 25.8920, 70.4360

Conversions

Conversions Part 2

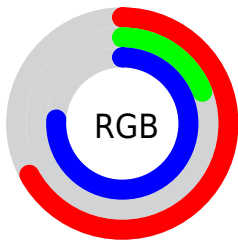
Format	Color
RYB	170, 49, 193
Decimal	11153857
CIELab	45.07, 66.66, -50.86
CIELCh	45, 83.852, 322.656
Yxy	14.5929, 0.2913, 0.1557
Android (android.graphics.Color)	4289343937 (0xFFAA31C1)
YUV	101.5950, 45.0627, 59.9912
Hunter-Lab	38.2007, 60.7204, -53.7029

Details

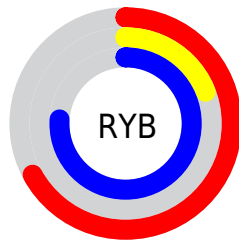
The XYZ color **27.3015, 14.5929, 51.8298** is a dark color, and the websafe version is hex **9933CC**. The color can be described as middle muted purple. A complement of this color would be **22.2972, 39.7397, 9.4016**, and the grayscale version is **12.4065, 13.0526, 14.2143**.

A 20% lighter version of the original color is **54.9310, 34.2853, 94.1650**, and **11.4703, 5.3748, 24.8590** is the 20% darker color. If you saturate the color by 10%, you get **26.0018, 12.9706, 51.5854**, and if you desaturate by 10%, it is **28.9635, 16.9153, 52.1907**.

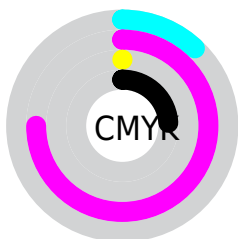
Distribution



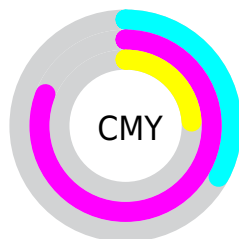
- Red (67%)
- Green (19%)
- Blue (76%)



- Red (67%)
- Yellow (19%)
- Blue (76%)



- Cyan (12%)
- Magenta (75%)
- Yellow (0%)
- Black (24%)



- Cyan (33%)
- Magenta (81%)
- Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.3015, 14.5929, 51.8298 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 27.3015, 14.5929, 51.8298 by changing the saturation by 10% instead.

■ 27.3015, 14.5929,
51.8298

■ 27.3015, 14.5929,
51.8298

281.2550,
220.8887, 410.7174

■ 17.9375, 8.5342,
36.4881

■ 54.7838, 34.1374,
94.3042

■ 11.0046, 4.4386,
24.5187

■ 73.6328, 48.3920,
122.2740

■ 6.1372, 1.9218,
15.5031

■ 96.3743, 66.1473,
155.2903

■ 2.9702, 0.5614,
9.0227

■ 123.3735, 87.7877,
193.7716

■ 1.1380, 0.0000,
4.6590

■ 154.9958,
113.6977, 238.1364

■ 0.0566, 0.0000,
1.9934

■ 191.6066,

■ 0.0000, 0.0000,

144.2616, 288.8032

0.5512

233.5712,
179.8638, 346.1908

■ 0.0000, 0.0000,
0.0000

■ 27.3015, 14.5929,
51.8298

■ 27.3015, 14.5929,
51.8298

■ 26.0018, 12.9706,
51.5854

■ 28.9635, 16.9153,
52.1907

■ 25.0148, 11.9513,
51.4407

■ 31.0253, 20.0145,
52.6802

■ 24.5615, 11.5500,
51.3871

■ 33.5215, 23.9592,
53.3101

■ 36.4826, 28.8099,
54.0903

■ 39.9361, 34.6216,
55.0300

■ 43.9073, 41.4447,
56.1377

■ 48.4198, 49.3265,
57.4212

■ 53.4958, 58.3107,
58.8878

■ 59.1560, 68.4391,
60.5445

Harmonies

Analogous

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



19.6279, 14.5929, 82.9705



27.3015, 14.5929, 51.8298



31.6065, 14.5929, 21.2519

Triad

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



27.3015, 14.5929, 51.8298



15.6342, 14.5929, 0.0000



4.8817, 14.5929, 35.4558

Complementary

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



27.3015, 14.5929, 51.8298



22.2972, 39.7397, 9.4016

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.



4.4400, 14.5929, 11.5143



27.3015, 14.5929, 51.8298



9.3653, 14.5929, 0.0229

Square

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



27.3015, 14.5929, 51.8298



23.5639, 14.5929, 0.7723



5.7759, 14.5929, 2.1949



7.2835, 14.5929, 69.2066

Rectangle

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



27.3015, 14.5929, 51.8298



31.2385, 14.5929, 8.9388



5.7759, 14.5929, 2.1949



4.5406, 14.5929, 25.7420

Sweetspot

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



27.3021, 14.5935, 51.8301



73.0536, 64.6129, 98.9815



13.2753, 9.2689, 51.5417



15.2785, 13.1902, 21.1260



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

Same Dimension

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



27.3021, 14.5935, 51.8301



45.3122, 21.8835, 92.1960



28.2019, 15.5789, 28.3094



10.3342, 10.1635, 12.7019



16.3925, 7.7111, 34.1810



0.7516, 0.3555, 1.4789

Inverse Universe

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



24.2607, 14.0024, 7.5555



40.5759, 21.3363, 6.3822



22.4947, 39.6563, 17.7789



10.1373, 10.1035, 10.8138



14.8102, 7.6138, 1.6464



0.6610, 0.3374, 0.1823

Previews

White Background



This preview shows how the XYZ color 27.3015, 14.5929, 51.8298 looks on a white background.

Color Contrast Check

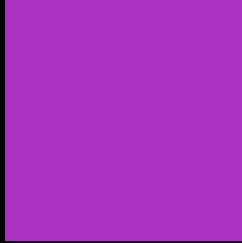
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.3015, 14.5929, 51.8298 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

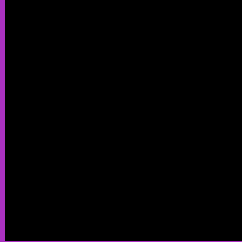
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 27.3015, 14.5929, 51.8298

Background



This preview shows how black text looks on a background with the XYZ color 27.3015, 14.5929, 51.8298.

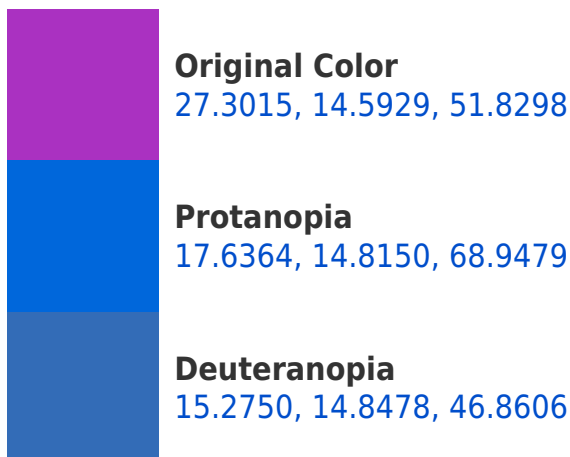


This preview shows how white text looks on a background with the XYZ color 27.3015, 14.5929,

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





Tritanopia

19.1642, 14.5964, 11.9325

Trichromacy



Original Color

27.3015, 14.5929, 51.8298



Protanomaly

16.7127, 11.8638, 62.3819



Deuteranomaly

16.9939, 12.7839, 48.5856



Tritanomaly

21.2453, 14.0314, 22.3575

Monochromacy



Original Color

27.3015, 14.5929, 51.8298



Achromatopsia

12.6291, 13.2868, 14.4694



Achromatomaly

16.2188, 12.4478, 24.4695

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.3015, 14.5929, 51.8298 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(170, 49, 193)` looks like.

```
.text, #text, p{  
    color:rgb(170, 49, 193)  
}
```

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(170, 49, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 49, 193) }
```

Border

The CSS property to change the border of an element to XYZ 27.3015, 14.5929, 51.8298 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(170, 49, 193) }
```


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

```
.border{ border-color:rgb(170, 49, 193) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 49, 193)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 49, 193); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 49, 193);  
box-shadow:4px 4px 4px 4px rgb(170, 49,  
193) }
```

Background

The CSS property to change the background color of an element to XYZ 27.3015, 14.5929, 51.8298 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 49, 193) }
```

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

```
.background{ background-color: rgb(170, 49,  
193) }
```

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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