

Converting Colors

XYZ(29.9391, 15.2891, 54.5364)

Have a look what the booklet for
XYZ(29.9391, 15.2891, 54.5364)
contains.

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Color

**XYZ(29.9422, 15.2872,
54.7987)**

Conversions

Conversions Part 1

Format	Color
Hex	B526C6
RGB	181, 38, 198
RGB Percent	71%, 15%, 78%
CMY	0.2902, 0.8510, 0.2235
CMYK	0.09, 0.81, 0.00, 0.22
HSL	294°, 68%, 46%
HSV	294°, 81%, 78%
XYZ	29.9422, 15.2872, 54.7987
YIQ	98.9970, 33.8680, 80.0760

Conversions

Conversions Part 2

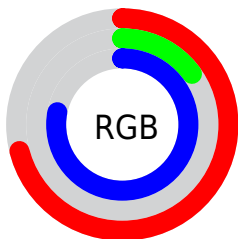
Format	Color
R_{YB}	181, 38, 198
Decimal	11871942
CIE _{Lab}	46.03, 72.86, -52.15
CIE _{LCh}	46, 89.602, 324.410
Yxy	15.2872, 0.2993, 0.1528
Android (android.graphics.Color)	4290062022 (0xFFB526C6)
YUV	98.9970, 48.8085, 71.9166
Hunter-Lab	39.0988, 68.2737, -55.7283

Details

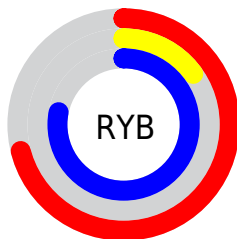
The XYZ color **29.9422, 15.2872, 54.7987** is a dark color, and the websafe version is hex **CC33CC**. The color can be described as middle muted purple. A complement of this color would be **22.1200, 41.3407, 8.6480**, and the grayscale version is **11.7352, 12.3464, 13.4452**.

A 20% lighter version of the original color is **58.7366, 35.2480, 98.3155**, and **13.1263, 6.1941, 26.4904** is the 20% darker color. If you saturate the color by 10%, you get **28.9796, 14.0881, 54.6182**, and if you desaturate by 10%, it is **31.2499, 17.1641, 55.0923**.

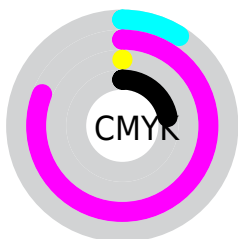
Distribution



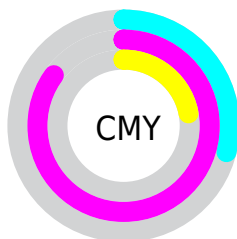
- Red (71%)
- Green (15%)
- Blue (78%)



- Red (71%)
- Yellow (15%)
- Blue (78%)



- Cyan (9%)
- Magenta (81%)
- Yellow (0%)
- Black (22%)





- Cyan (29%)
- Magenta (85%)
- Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 29.9422, 15.2872, 54.7987 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 29.9422, 15.2872, 54.7987 by changing the saturation by 10% instead.


 29.9422, 15.2872,
54.7987

 29.9422, 15.2872,
54.7987


293.5496,
225.0980, 422.4088


 19.9426, 9.0212,
38.8431


 58.9580, 35.3562,
98.7141


 12.4613, 4.7550,
26.3308


 78.7049, 49.9280,
127.5110


 7.1331, 2.1042,
16.8433


 102.4316, 68.0373,
161.4254

 3.5926, 0.6670,
9.9620

 130.5035, 90.0683,
200.8759

 1.4743, 0.0000,
5.2685

 163.2858,
116.4054, 246.2809

 0.3083, 0.0000,
2.3442

 201.1441,

 0.0000, 0.0000,

147.4332, 298.0590

0.7558

244.4436,
183.5359, 356.6288

■ 0.0000, 0.0000,
0.0000

■ 29.9422, 15.2872,
54.7987

■ 29.9422, 15.2872,
54.7987

■ 28.9796, 14.0881,
54.6182

■ 31.2499, 17.1641,
55.0923

■ 28.3162, 13.4200,
54.5242

■ 32.9477, 19.8107,
55.5136

■ 35.0756, 23.3064,
56.0762

■ 37.6683, 27.7203,
56.7916

■ 40.7567, 33.1146,
57.6700

■ 44.3692, 39.5457,
58.7209

■ 48.5319, 47.0659,
59.9531

■ 53.2693, 55.7240,
61.3746

■ 58.6042, 65.5658,
62.9930

Harmonies

Analogous

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



21.4422, 15.2872, 91.2068



29.9422, 15.2872, 54.7987



34.4587, 15.2872, 21.0625

Triad

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



29.9422, 15.2872, 54.7987



16.0001, 15.2872, 0.0000



4.8738, 15.2872, 40.6138

Complementary

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



29.9422, 15.2872, 54.7987



22.1200, 41.3407, 8.6480

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.



4.3009, 15.2872, 12.8931



29.9422, 15.2872, 54.7987



9.2902, 15.2872, 0.0000

Square

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



29.9422, 15.2872, 54.7987



24.7985, 15.2872, 0.4537



5.5936, 15.2872, 2.2390



7.5783, 15.2872, 79.1167

Rectangle

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



29.9422, 15.2872, 54.7987



33.7696, 15.2872, 8.2533



5.5936, 15.2872, 2.2390



4.4765, 15.2872, 29.3791

Sweetspot

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



29.9429, 15.2879, 54.7990



76.1854, 65.7622, 103.2857



12.4397, 7.3835, 54.1958



15.8144, 13.1998, 21.9643



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



29.9429, 15.2879, 54.7990



50.3568, 23.9980, 96.5857



28.4738, 15.1892, 24.9739



10.9678, 10.7572, 13.4158



18.4581, 8.7497, 35.4604



0.9067, 0.4311, 1.6806

Inverse Universe

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



24.6719, 13.6684, 4.9531



41.6108, 21.5412, 3.4728



23.2621, 41.7079, 18.7137



10.6789, 10.6550, 11.2924



15.2491, 7.8492, 1.2557



0.7379, 0.3780, 0.1430

Previews

White Background



This preview shows how the XYZ color 29.9422, 15.2872, 54.7987 looks on a white background.

Color Contrast Check

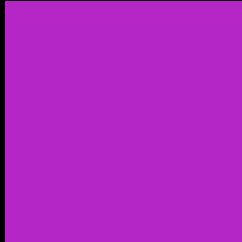
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.9422, 15.2872, 54.7987 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

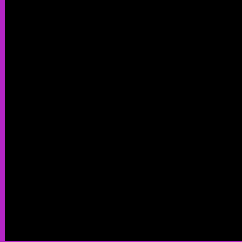
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 29.9422, 15.2872, 54.7987

Background



This preview shows how black text looks on a background with the XYZ color 29.9422, 15.2872, 54.7987.



This preview shows how white text looks on a background with the XYZ color 29.9422, 15.2872,

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

29.9422, 15.2872, 54.7987

Protanopia

18.6086, 15.6899, 72.5687

Deuteranopia

16.1223, 15.7136, 49.1970



Tritanopia

21.1219, 15.3867, 11.3079

Trichromacy



Original Color

29.9422, 15.2872, 54.7987



Protanomaly

17.4549, 11.9494, 65.6765



Deuteranomaly

17.8298, 12.8116, 50.8234



Tritanomaly

23.2032, 14.4835, 22.3415

Monochromacy



Original Color

29.9422, 15.2872, 54.7987



Achromatopsia

11.8596, 12.4772, 13.5877



Achromatomaly

16.0803, 11.7242, 24.3371

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.9422, 15.2872, 54.7987 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(181, 38, 198)` looks like.

```
.text, #text, p{  
    color:rgb(181, 38, 198)  
}
```

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(181, 38, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 38, 198) }
```

Border

The CSS property to change the border of an element to XYZ 29.9422, 15.2872, 54.7987 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(181, 38, 198) }
```


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

```
.border{ border-color:rgb(181, 38, 198) }
```

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

Here you see how a box with a 4 pixel `rgb(181, 38, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 38, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 38, 198);  
box-shadow:4px 4px 4px 4px rgb(181, 38,  
198) }
```

Background

The CSS property to change the background color of an element to XYZ 29.9422, 15.2872, 54.7987 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 38, 198) }
```

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

```
.background{ background-color: rgb(181, 38,  
198) }
```

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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