

Converting Colors

XYZ(33.4077, 16.2787, 73.5437)

Have a look what the booklet for
XYZ(33.4077, 16.2787, 73.5437)
contains.

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Color

**XYZ(33.4582, 16.3148,
73.3371)**

Conversions

Conversions Part 1

Format	Color
Hex	B61DE2
RGB	182, 29, 226
RGB Percent	71%, 11%, 89%
CMY	0.2863, 0.8862, 0.1137
CMYK	0.19, 0.87, 0.00, 0.11
HSL	287°, 77%, 50%
HSV	287°, 87%, 89%
XYZ	33.4582, 16.3148, 73.3371
YIQ	97.2050, 27.9510, 93.7030

Conversions

Conversions Part 2

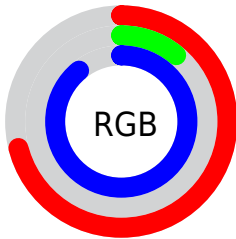
Format	Color
R_{YB}	182, 29, 226
Decimal	11935202
CIE _{Lab}	47.38, 79.83, -66.03
CIE _{LCh}	47, 103.600, 320.405
Yxy	16.3148, 0.2718, 0.1325
Android (android.graphics.Color)	4290125282 (0xFFB61DE2)
YUV	97.2050, 63.4959, 74.3652
Hunter-Lab	40.3916, 77.1745, -79.3760

Details

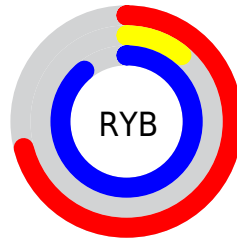
The XYZ color **33.4582, 16.3148, 73.3371** is a dark color, and the websafe version is hex **9900CC**. The color can be described as middle washed purple. A complement of this color would be **30.1664, 55.8983, 10.3624**, and the grayscale version is **11.2580, 11.8443, 12.8984**.

A 20% lighter version of the original color is **59.1298, 35.0209, 98.2510**, and **15.3298, 7.0755, 38.0939** is the 20% darker color. If you saturate the color by 10%, you get **31.9182, 14.9719, 73.1593**, and if you desaturate by 10%, it is **35.4438, 18.4832, 73.6513**.

Distribution



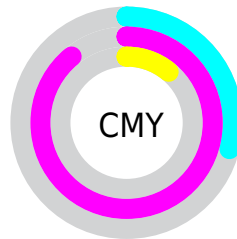
- Red (71%)
- Green (11%)
- Blue (89%)



- Red (71%)
- Yellow (11%)
- Blue (89%)



- Cyan (19%)
- Magenta (87%)
- Yellow (0%)
- Black (11%)




- Cyan (29%)
- Magenta (89%)
- Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.4582, 16.3148, 73.3371 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 33.4582, 16.3148, 73.3371 by changing the saturation by 10% instead.


 33.4582, 16.3148,
73.3371


 33.4582, 16.3148,
73.3371


309.3380,
231.1922, 491.2844


 22.6386, 9.7472,
53.7582


 64.4401, 37.1439,
125.6810

 14.4461, 5.2317,
38.0165


 85.3332, 52.1741,
159.2830

 8.5154, 2.3838,
25.6935


 110.3148, 70.7940,
198.3965

 4.4810, 0.8175,
16.3708

 139.7502, 93.3879,
243.4400

 1.9777, 0.0000,
9.6297

 174.0049,
120.3403, 294.8319

 0.6214, 0.0000,
5.0518

 213.4442,

 0.0000, 0.0000,

152.0356, 352.9910

2.2184

258.4334,
188.8581, 418.3356

■ 0.0000, 0.0000,
0.6850

■ 0.0000, 0.0000,
0.0000

■ 33.4582, 16.3148,
73.3371

■ 33.4582, 16.3148,
73.3371

■ 31.9182, 14.9719,
73.1593

■ 35.4438, 18.4832,
73.6513

■ 31.5245, 14.6657,
73.1210

■ 37.9531, 21.6355,
74.1275

■ 41.0484, 25.8948,
74.7865

■ 44.7823, 31.3653,
75.6456

■ 49.2010, 38.1393,
76.7202

■ 54.3465, 46.2998,
78.0241

■ 60.2571, 55.9230,
79.5701

■ 66.9685, 67.0794,
81.3698

■ 74.5138, 79.8351,
83.4342

Harmonies

Analogous

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



22.5059, 16.3148, 119.6447



33.4582, 16.3148, 73.3371



40.2137, 16.3148, 27.5859

Triad

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



33.4582, 16.3148, 73.3371



18.6369, 16.3148, 0.0000



4.1533, 16.3148, 41.8407

Complementary

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



33.4582, 16.3148, 73.3371



30.1664, 55.8983, 10.3624

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.



3.8061, 16.3148, 10.6035



33.4582, 16.3148, 73.3371



10.1338, 16.3148, 0.0000

Square

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



33.4582, 16.3148, 73.3371



29.6861, 16.3148, 0.1306



5.4988, 16.3148, 1.1014



6.7620, 16.3148, 92.0543

Rectangle

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



33.4582, 16.3148, 73.3371



40.1321, 16.3148, 10.1131



5.4988, 16.3148, 1.1014



3.8230, 16.3148, 28.5391

Sweetspot

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



33.4590, 16.3154, 73.3375



72.1835, 62.0451, 102.7792



16.7486, 10.7807, 73.1499



14.9139, 12.4195, 21.8611



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.



33.4590, 16.3154, 73.3375



41.3509, 19.2320, 96.1405



39.3920, 20.0832, 41.5737



13.9799, 13.7732, 17.3094



18.0911, 8.4216, 41.7204



1.3285, 0.6222, 2.8953

Inverse Universe

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



33.0065, 17.5290, 7.9481



41.9774, 21.5549, 5.8129



29.2088, 55.2564, 17.0170



13.8320, 13.7504, 14.8853



18.2644, 9.3727, 2.7919



1.2996, 0.6631, 0.3707

Previews

White Background



This preview shows how the XYZ color 33.4582, 16.3148, 73.3371 looks on a white background.

Color Contrast Check

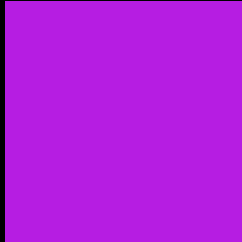
Large Text (above 18pt) WCAG AA ✓ Pass

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 33.4582, 16.3148, 73.3371 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

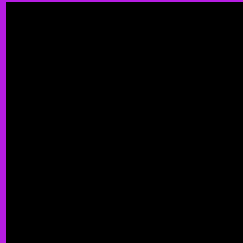
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 33.4582, 16.3148, 73.3371

Background



This preview shows how black text looks on a background with the XYZ color 33.4582, 16.3148, 73.3371.



This preview shows how white text looks on a background with the XYZ color 33.4582, 16.3148,

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

33.4582, 16.3148, 73.3371

Protanopia

19.7516, 16.6504, 77.0357

Deuteranopia

16.7914, 16.5257, 58.1819



Tritanopia

21.2555, 16.2565, 13.5728

Trichromacy



Original Color

33.4582, 16.3148, 73.3371



Protanomaly

19.2583, 12.5527, 75.5366



Deuteranomaly

17.1750, 12.2020, 63.0780



Tritanomaly

23.9725, 14.8365, 28.3883

Monochromacy



Original Color

33.4582, 16.3148, 73.3371



Achromatopsia

11.3621, 11.9538, 13.0177



Achromatomaly

16.2535, 11.2375, 27.6980

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.4582, 16.3148, 73.3371 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(182, 29, 226)` looks like.

```
.text, #text, p{  
    color:rgb(182, 29, 226)  
}
```

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(182, 29, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(182, 29, 226) }
```

Border

The CSS property to change the border of an element to XYZ 33.4582, 16.3148, 73.3371 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(182, 29, 226) }
```


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

```
.border{ border-color:rgb(182, 29, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(182, 29, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(182, 29, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(182, 29, 226);  
box-shadow:4px 4px 4px 4px rgb(182, 29,  
226) }
```

Background

The CSS property to change the background color of an element to XYZ 33.4582, 16.3148, 73.3371 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(182, 29, 226) }
```

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

```
.background{ background-color: rgb(182, 29,  
226) }
```

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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