

Converting Colors

XYZ(29.3467, 13.6122, 79.3758)

Have a look what the booklet for
XYZ(29.3467, 13.6122, 79.3758)
contains.

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Color

**XYZ(29.4374, 13.6569,
79.6818)**

Conversions

Conversions Part 1

Format	Color
Hex	9F0DEB
RGB	159, 13, 235
RGB Percent	62%, 5%, 92%
CMY	0.3765, 0.9490, 0.0784
CMYK	0.32, 0.94, 0.00, 0.08
HSL	279°, 90%, 49%
HSV	279°, 94%, 92%
XYZ	29.4374, 13.6569, 79.6818
YIQ	81.9620, 15.7540, 99.9940

Conversions

Conversions Part 2

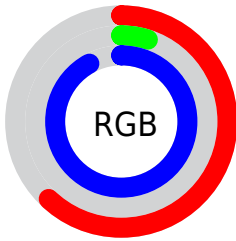
Format	Color
R_{YB}	159, 13, 235
Decimal	10423787
CIE _{Lab}	43.74, 80.80, -77.24
CIE _{LCh}	44, 111.781, 316.293
Yxy	13.6569, 0.2398, 0.1112
Android (android.graphics.Color)	4288613867 (0xFF9F0DEB)
YUV	81.9620, 75.4477, 67.5623
Hunter-Lab	36.9552, 77.5159, -101.9707

Details

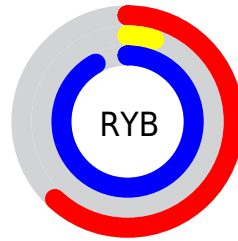
The XYZ color **29.4374, 13.6569, 79.6818** is a dark color, and the websafe version is hex **9933FF**. The color can be described as dark washed purple. A complement of this color would be **33.9007, 61.5697, 10.4782**, and the grayscale version is **7.8648, 8.2744, 9.0109**.

A 20% lighter version of the original color is **51.2214, 29.7480, 97.6500**, and **13.0729, 5.8110, 42.5521** is the 20% darker color. If you saturate the color by 10%, you get **28.4274, 12.9226, 79.5936**, and if you desaturate by 10%, it is **31.5882, 15.5112, 79.9267**.

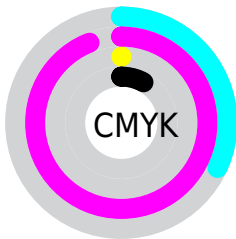
Distribution



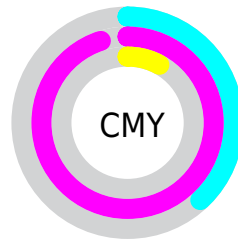
- Red (62%)
- Green (5%)
- Blue (92%)



- Red (62%)
- Yellow (5%)
- Blue (92%)



- Cyan (32%)
- Magenta (94%)
- Yellow (0%)
- Black (8%)





- Cyan (38%)
- Magenta (95%)
- Yellow (8%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 29.4374, 13.6569, 79.6818 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 29.4374, 13.6569, 79.6818 by changing the saturation by 10% instead.

 29.4374, 13.6569,
79.6818


 29.4374, 13.6569,
79.6818


291.2303,
215.0858, 513.5383


 19.5579, 7.8824,
58.9319


 58.1641, 32.4790,
134.7256


 12.1805, 4.0198,
42.1387


 77.7420, 46.2954,
169.8566


 6.9398, 1.6846,
28.8835


 101.2833, 63.5613,
210.6184

 3.4705, 0.4137,
18.7479

 129.1536, 84.6609,
257.4296

 1.4072, 0.0000,
11.3133

 161.7180,
109.9788, 310.7086

 0.2613, 0.0000,
6.1612

 199.3421,

 0.0000, 0.0000,

139.8993, 370.8740

2.8729

242.3910,
174.8069, 438.3444

■ 0.0000, 0.0000,
1.0301

■ 0.0000, 0.0000,
0.0000

■ 29.4374, 13.6569,
79.6818

■ 29.4374, 13.6569,
79.6818

■ 28.4274, 12.9226,
79.5936

■ 31.5882, 15.5112,
79.9267

■ 34.3115, 18.3548,
80.3320

■ 37.6884, 22.3459,
80.9244

■ 41.7851, 27.6139,
81.7253

46.6585, 34.2704,
82.7532

52.3595, 42.4144,
84.0247

58.9343, 52.1360,
85.5547

66.4254, 63.5176,
87.3567

74.8724, 76.6361,
89.4436

Harmonies

Analogous

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



18.3245, 13.6569, 126.5608



29.4374, 13.6569, 79.6818



37.3051, 13.6569, 29.5453

Triad

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



29.4374, 13.6569, 79.6818



17.4124, 13.6569, 0.0000



2.5763, 13.6569, 33.0090

Complementary

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



29.4374, 13.6569, 79.6818



33.9007, 61.5697, 10.4782

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.



2.5097, 13.6569, 6.0952



29.4374, 13.6569, 79.6818



8.7918, 13.6569, 0.0000

Square

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



29.4374, 13.6569, 79.6818



28.5157, 13.6569, 0.0000



4.1937, 13.6569, 0.0000



4.4530, 13.6569, 84.5086

Rectangle

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



29.4374, 13.6569, 79.6818



38.0777, 13.6569, 10.1691



4.1937, 13.6569, 0.0000



2.3849, 13.6569, 20.8338

Sweetspot

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



29.4382, 13.6573, 79.6821



67.9199, 58.2504, 102.2714



18.8770, 13.5149, 80.2113



13.8118, 11.3975, 21.7219



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.



29.4382, 13.6573, 79.6821



34.1359, 15.5126, 95.8028



45.0303, 22.2002, 57.6031



15.1851, 15.0407, 19.0251



15.9632, 7.2652, 44.3039



1.3559, 0.6233, 3.4837

Inverse Universe

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



36.2081, 18.6713, 11.1463



42.9723, 21.9529, 11.0524



30.3735, 59.7021, 12.5388



15.2783, 15.1392, 16.7507



19.9367, 10.1774, 5.4680



1.6092, 0.8166, 0.6594

Previews

White Background



This preview shows how the XYZ color 29.4374, 13.6569, 79.6818 looks on a white background.

Color Contrast Check

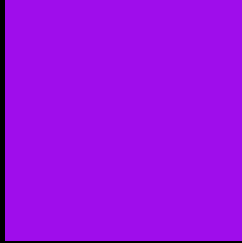
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.4374, 13.6569, 79.6818 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

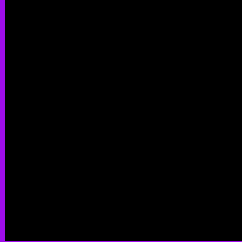
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 29.4374, 13.6569, 79.6818

Background



This preview shows how black text looks on a background with the XYZ color 29.4374, 13.6569, 79.6818.



This preview shows how white text looks on a background with the XYZ color 29.4374, 13.6569,

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

29.4374, 13.6569, 79.6818

Protanopia

16.5373, 14.0608, 64.1298

Deuteranopia

13.8049, 13.9343, 46.7617



Tritanopia

16.0710, 13.7060, 13.6029

Trichromacy



Original Color

29.4374, 13.6569, 79.6818



Protanomaly

16.7913, 10.3231, 68.8177



Deuteranomaly

14.7881, 9.9289, 57.0142



Tritanomaly

18.6244, 11.6224, 29.2787

Monochromacy



Original Color

29.4374, 13.6569, 79.6818



Achromatopsia

8.0200, 8.4376, 9.1886



Achromatomaly

12.4810, 8.0762, 24.9458

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.4374, 13.6569, 79.6818 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(159, 13, 235)` looks like.

```
.text, #text, p{  
    color:rgb(159, 13, 235)  
}
```

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(159, 13, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 13, 235) }
```

Border

The CSS property to change the border of an element to XYZ 29.4374, 13.6569, 79.6818 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(159, 13, 235) }
```


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

```
.border{ border-color:rgb(159, 13, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(159, 13, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 13, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 13, 235);  
box-shadow:4px 4px 4px 4px rgb(159, 13,  
235) }
```

Background

The CSS property to change the background color of an element to XYZ 29.4374, 13.6569, 79.6818 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 13, 235) }
```

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

```
.background{ background-color: rgb(159, 13,  
235) }
```

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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