

Converting Colors

XYZ(29.3197, 14.4917, 82.9084)

Have a look what the booklet for
XYZ(29.3197, 14.4917, 82.9084)
contains.

XYZ(29.3218, 14.4933, 82.9134)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(29.3218, 14.4933,
82.9134)**

Conversions

Conversions Part 1

Format	Color
Hex	9829EF
RGB	152, 41, 239
RGB Percent	60%, 16%, 94%
CMY	0.4039, 0.8392, 0.0627
CMYK	0.36, 0.83, 0.00, 0.06
HSL	274°, 86%, 55%
HSV	274°, 83%, 94%
XYZ	29.3218, 14.4933, 82.9134
YIQ	96.7610, 2.5980, 85.1100

Conversions

Conversions Part 2

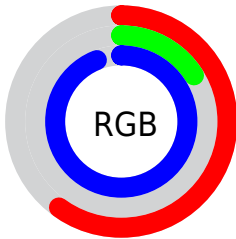
Format	Color
R _{YB}	152, 41, 239
Decimal	9972207
CIE _{Lab}	44.93, 75.21, -77.58
CIE _{LCh}	45, 108.051, 314.111
Y _{xy}	14.4933, 0.2314, 0.1144
Android (android.graphics.Color)	4288162287 (0xFF9829EF)
YUV	96.7610, 70.1238, 48.4446
Hunter-Lab	38.0701, 70.8592, -102.4796

Details

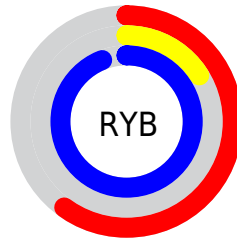
The XYZ color **29.3218, 14.4933, 82.9134** is a dark color, and the websafe version is hex **9933FF**. The color can be described as middle washed purple. A complement of this color would be **40.1687, 66.4824, 12.8133**, and the grayscale version is **11.1380, 11.7180, 12.7609**.

A 20% lighter version of the original color is **50.2419, 30.8689, 97.9180**, and **12.7579, 5.6015, 44.6648** is the 20% darker color. If you saturate the color by 10%, you get **26.8522, 12.3429, 82.6288**, and if you desaturate by 10%, it is **32.4678, 17.7357, 83.3738**.

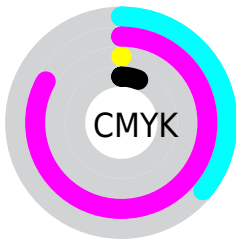
Distribution



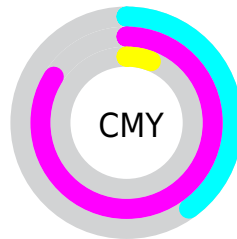
- Red (60%)
- Green (16%)
- Blue (94%)



- Red (60%)
- Yellow (16%)
- Blue (94%)



- Cyan (36%)
- Magenta (83%)
- Yellow (0%)
- Black (6%)





- Cyan (40%)
- Magenta (84%)
- Yellow (6%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 29.3218, 14.4933, 82.9134 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 29.3218, 14.4933, 82.9134 by changing the saturation by 10% instead.


 29.3218, 14.4933,
82.9134

 29.3218, 14.4933,
82.9134


290.6972,
220.2784, 524.6613


 19.4699, 8.4646,
61.5785


 57.9820, 33.9618,
139.3023


 12.1163, 4.3936,
44.2586


 77.5210, 48.1703,
175.1934


 6.8957, 1.8961,
30.5352

 101.0198, 65.8742,
216.7737

 3.4427, 0.5460,
19.9897

 128.8436, 87.4579,
264.4617

 1.3920, 0.0000,
12.2035

 161.3579,
113.3058, 318.6759

 0.2505, 0.0000,
6.7582

 198.9281,

 0.0000, 0.0000,

143.8023, 379.8348

3.2352

241.9194,
179.3317, 448.3571

■ 0.0000, 0.0000,
1.2160

■ 0.0000, 0.0000,
0.0000

■ 29.3218, 14.4933,
82.9134

■ 29.3218, 14.4933,
82.9134

■ 26.8522, 12.3429,
82.6288

■ 32.4678, 17.7357,
83.3738

■ 25.4097, 11.2994,
82.5034

■ 36.3709, 22.2287,
84.0353

■ 41.1013, 28.1054,
84.9203

■ 46.7195, 35.4808,
86.0478

■ 53.2798, 44.4575,
87.4347

■ 60.8317, 55.1289,
89.0964

■ 69.4208, 67.5811,
91.0473

■ 79.0900, 81.8942,
93.3003

■ 89.5268, 97.4380,
95.7505

Harmonies

Analogous

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



18.3501, 14.4933, 125.7685



29.3218, 14.4933, 82.9134



37.4514, 14.4933, 33.2175

Triad

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



29.3218, 14.4933, 82.9134



18.9741, 14.4933, 0.0000



2.9905, 14.4933, 30.8773

Complementary

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



29.3218, 14.4933, 82.9134



40.1687, 66.4824, 12.8133

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.



3.0401, 14.4933, 5.8514



29.3218, 14.4933, 82.9134



10.0323, 14.4933, 0.0000

Square

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



29.3218, 14.4933, 82.9134



29.9435, 14.4933, 0.1581



5.0067, 14.4933, 0.0000



4.8190, 14.4933, 79.7257

Rectangle

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



29.3218, 14.4933, 82.9134



38.6440, 14.4933, 12.5412



5.0067, 14.4933, 0.0000



2.8242, 14.4933, 19.5350

Sweetspot

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



29.3226, 14.4938, 82.9138



68.4106, 60.9199, 102.7608



24.4906, 22.6956, 84.7516



13.9737, 12.0915, 21.8473



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.



29.3226, 14.4938, 82.9138



29.5930, 13.2117, 95.5981



50.5466, 25.5995, 76.4794



15.7450, 15.6658, 19.9156



14.1953, 6.3233, 45.6002



1.2950, 0.5849, 3.7989

Inverse Universe

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



40.2859, 21.4953, 22.4472



44.2749, 22.5183, 17.7753



32.3765, 62.4428, 13.4669



16.0613, 15.8742, 17.8790



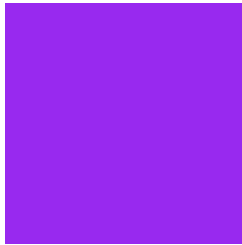
21.1443, 10.7302, 8.6766



1.8082, 0.9123, 0.9808

Previews

White Background



This preview shows how the XYZ color 29.3218, 14.4933, 82.9134 looks on a white background.

Color Contrast Check

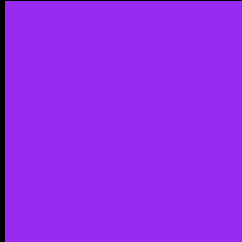
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.3218, 14.4933, 82.9134 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

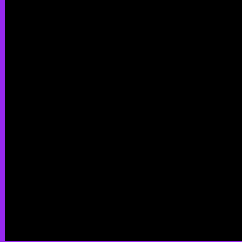
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 29.3218, 14.4933, 82.9134

Background



This preview shows how black text looks on a background with the XYZ color 29.3218, 14.4933, 82.9134.



This preview shows how white text looks on a background with the XYZ color 29.3218, 14.4933,

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

29.3218, 14.4933, 82.9134

Protanopia

17.3746, 14.7102, 67.5693

Deuteranopia

14.4383, 14.5251, 49.0564



Tritanopia

15.7199, 14.4208, 15.8649

Trichromacy



Original Color

29.3218, 14.4933, 82.9134



Protanomaly

18.0348, 11.9858, 72.5971



Deuteranomaly

15.8865, 11.6091, 59.7960



Tritanomaly

18.6325, 12.9662, 32.5310

Monochromacy



Original Color

29.3218, 14.4933, 82.9134



Achromatopsia

11.3621, 11.9538, 13.0177



Achromatomaly

15.4148, 11.2596, 29.7946

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.3218, 14.4933, 82.9134 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(152, 41, 239)` looks like.

```
.text, #text, p{  
    color:rgb(152, 41, 239)  
}
```

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(152, 41, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(152, 41, 239) }
```

Border

The CSS property to change the border of an element to XYZ 29.3218, 14.4933, 82.9134 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(152, 41, 239) }
```


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

```
.border{ border-color:rgb(152, 41, 239) }
```

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

Here you see how a box with a 4 pixel `rgb(152, 41, 239)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(152, 41, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(152, 41, 239);  
box-shadow:4px 4px 4px 4px rgb(152, 41,  
239) }
```

Background

The CSS property to change the background color of an element to XYZ 29.3218, 14.4933, 82.9134 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(152, 41, 239) }
```

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

```
.background{ background-color: rgb(152, 41,  
239) }
```

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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