

Converting Colors

XYZ(32.7483, 15.2019, 87.6006)

Have a look what the booklet for
XYZ(32.7483, 15.2019, 87.6006)
contains.

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Color

**XYZ(32.7869, 15.2315,
87.5981)**

Conversions

Conversions Part 1

| Format | Color |
|---------------|----------------------------|
| Hex | A80EF5 |
| RGB | 168, 14, 245 |
| RGB Percent | 66%, 5%, 96% |
| CMY | 0.3412, 0.9451, 0.0392 |
| CMYK | 0.31, 0.94, 0.00, 0.04 |
| HSL | 280°, 92%, 51% |
| HSV | 280°, 94%, 96% |
| XYZ | 32.7869, 15.2315, 87.5981 |
| YIQ | 86.3800, 17.6330, 104.4890 |

Conversions

Conversions Part 2

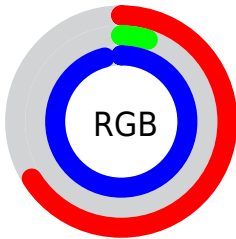
| Format | Color |
|-------------------------------------|--------------------------------|
| R _{YB} | 168, 14, 245 |
| Decimal | 11013877 |
| CIE _{Lab} | 45.95, 83.64, -79.20 |
| CIE _{LCh} | 46, 115.189, 316.561 |
| Yxy | 15.2315, 0.2418, 0.1123 |
| Android (android.graphics.Color) | 4289203957 (0xFFA80EF5) |
| YUV | 86.3800, 78.1997, 71.5807 |
| Hunter-Lab | 39.0276, 81.6590, -105.7583 |

Details

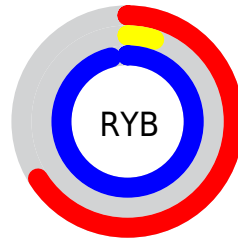
The XYZ color **32.7869, 15.2315, 87.5981** is a dark color, and the websafe version is hex **9933FF**. The color can be described as middle saturated purple. A complement of this color would be **37.0464, 67.5610, 11.5037**, and the grayscale version is **8.7636, 9.2200, 10.0405**.

A 20% lighter version of the original color is **54.1902, 31.5323, 97.8379**, and **15.0330, 6.7137, 47.5172** is the 20% darker color. If you saturate the color by 10%, you get **31.6544, 14.4145, 87.5004**, and if you desaturate by 10%, it is **35.1338, 17.2613, 87.8665**.

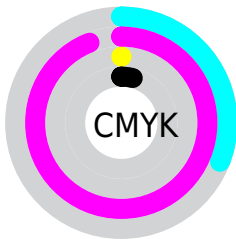
Distribution



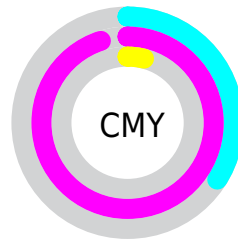
- Red (66%)
- Green (5%)
- Blue (96%)



- Red (66%)
- Yellow (5%)
- Blue (96%)



- Cyan (31%)
- Magenta (94%)
- Yellow (0%)
- Black (4%)





- Cyan (34%)
- Magenta (95%)
- Yellow (4%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 32.7869, 15.2315, 87.5981 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 32.7869, 15.2315, 87.5981 by changing the saturation by 10% instead.


 32.7869, 15.2315,
87.5981


 32.7869, 15.2315,
87.5981

306.3704,
224.7632, 540.5534

 22.1217, 8.9820,
65.4278


 63.3996, 35.2588,
145.9037


 14.0635, 4.7295,
47.3545


 84.0778, 49.8054,
182.8761


 8.2468, 2.0894,
32.9597


 108.8244, 67.8865,
225.6197


 4.3064, 0.6587,
21.8247

 138.0047, 89.8865,
274.5529

 1.8769, 0.0000,
13.5311

 171.9841,
116.1897, 330.0944

 0.5634, 0.0000,
7.6602

 211.1279,

 0.0000, 0.0000,

147.1807, 392.6626

3.7937

255.8016,
183.2437, 462.6760

■ 0.0000, 0.0000,
1.5129

■ 0.0000, 0.0000,
0.2275

■ 32.7869, 15.2315,
87.5981

■ 32.7869, 15.2315,
87.5981

■ 31.6544, 14.4145,
87.5004

■ 35.1338, 17.2613,
87.8665

■ 38.1071, 20.3801,
88.3118

■ 41.7965, 24.7633,
88.9634

■ 46.2749, 30.5539,
89.8450

■ 51.6051, 37.8750,
90.9772

■ 57.8433, 46.8364,
92.3782

■ 65.0405, 57.5372,
94.0643

■ 73.2434, 70.0687,
96.0508

■ 82.4958, 84.5158,
98.3517

Harmonies

Analogous

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



20.5008, 15.2315, 139.4999



32.7869, 15.2315, 87.5981



41.4143, 15.2315, 32.4421

Triad

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



32.7869, 15.2315, 87.5981



19.2826, 15.2315, 0.0000



2.9209, 15.2315, 37.0612

Complementary

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



32.7869, 15.2315, 87.5981



37.0464, 67.5610, 11.5037

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.



2.8310, 15.2315, 6.9784



32.7869, 15.2315, 87.5981



9.7666, 15.2315, 0.0000

Square

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



32.7869, 15.2315, 87.5981



31.5581, 15.2315, 0.0000



4.6894, 15.2315, 0.0015



5.0381, 15.2315, 94.0169

Rectangle

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



32.7869, 15.2315, 87.5981



42.2059, 15.2315, 11.1783



4.6894, 15.2315, 0.0015



2.7015, 15.2315, 23.5015

Sweetspot

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



32.7878, 15.2320, 87.5985



68.1272, 58.3573, 102.2811



20.4041, 14.1688, 88.0460



13.8619, 11.4234, 21.7243



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.



32.7878, 15.2320, 87.5985



34.6279, 15.7662, 95.8258



49.0150, 24.2074, 60.8014



16.6457, 16.4755, 20.8453



17.2057, 7.8442, 47.1453



1.6209, 0.7454, 4.1487

Inverse Universe

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



39.7019, 20.4821, 11.7590



42.8796, 21.9159, 10.5642



33.4650, 65.6510, 14.2168



16.7270, 16.5736, 18.3087



21.1570, 10.8062, 5.5352



1.9052, 0.9681, 0.7274

Previews

White Background



This preview shows how the XYZ color 32.7869, 15.2315, 87.5981 looks on a white background.

Color Contrast Check

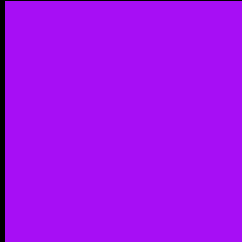
Large Text (above 18pt) WCAG AA ✓ Pass

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 32.7869, 15.2315, 87.5981 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

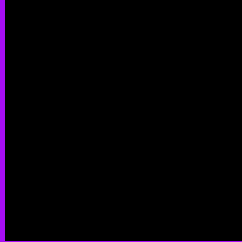
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 32.7869, 15.2315, 87.5981

Background



This preview shows how black text looks on a background with the XYZ color 32.7869, 15.2315, 87.5981.



This preview shows how white text looks on a background with the XYZ color 32.7869, 15.2315,

87.5981.

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

32.7869, 15.2315, 87.5981

Protanopia

18.4733, 15.6358, 71.8564

Deuteranopia

15.4198, 15.4386, 52.6193



Tritanopia

18.0093, 15.2049, 15.0823

Trichromacy



Original Color

32.7869, 15.2315, 87.5981



Protanomaly

18.7308, 11.5267, 76.8390



Deuteranomaly

16.3926, 10.9144, 63.5301



Tritanomaly

20.8135, 12.9384, 32.4107

Monochromacy



Original Color

32.7869, 15.2315, 87.5981



Achromatopsia

8.8453, 9.3059, 10.1341



Achromatomaly

13.8524, 8.9583, 27.3846

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.7869, 15.2315, 87.5981 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(168, 14, 245)` looks like.

```
.text, #text, p{  
    color:rgb(168, 14, 245)  
}
```

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(168, 14, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 14, 245) }
```

Border

The CSS property to change the border of an element to XYZ 32.7869, 15.2315, 87.5981 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(168, 14, 245) }
```


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

```
.border{ border-color:rgb(168, 14, 245) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 14, 245)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 14, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 14, 245);  
box-shadow:4px 4px 4px 4px rgb(168, 14,  
245) }
```

Background

The CSS property to change the background color of an element to XYZ 32.7869, 15.2315, 87.5981 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 14, 245) }
```

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

```
.background{ background-color: rgb(168, 14,  
245) }
```

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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