

Converting Colors

XYZ(32.8250, 15.4779, 87.3066)

Have a look what the booklet for
XYZ(32.8250, 15.4779, 87.3066)
contains.

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Color

**XYZ(32.9363, 15.5302,
87.6479)**

Conversions

Conversions Part 1

Format	Color
Hex	A817F5
RGB	168, 23, 245
RGB Percent	66%, 9%, 96%
CMY	0.3412, 0.9098, 0.0392
CMYK	0.31, 0.91, 0.00, 0.04
HSL	279°, 92%, 53%
HSV	279°, 91%, 96%
XYZ	32.9363, 15.5302, 87.6479
YIQ	91.6630, 15.1580, 99.7820

Conversions

Conversions Part 2

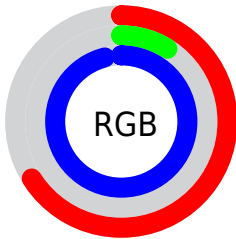
Format	Color
R_{YB}	168, 23, 245
Decimal	11016181
CIE _{Lab}	46.35, 82.44, -78.54
CIE _{LCh}	46, 113.864, 316.385
Yxy	15.5302, 0.2420, 0.1141
Android (android.graphics.Color)	4289206261 (0xFFA817F5)
YUV	91.6630, 75.5951, 66.9475
Hunter-Lab	39.4084, 80.2201, -104.2806

Details

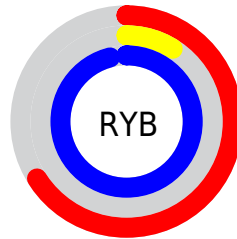
The XYZ color **32.9363, 15.5302, 87.6479** is a dark color, and the websafe version is hex **9933FF**. The color can be described as middle washed purple. A complement of this color would be **38.0627, 68.0762, 11.9447**, and the grayscale version is **9.9262, 10.4432, 11.3726**.

A 20% lighter version of the original color is **54.4553, 32.0624, 97.9263**, and **15.0330, 6.7137, 47.5172** is the 20% darker color. If you saturate the color by 10%, you get **30.9838, 14.0688, 87.4691**, and if you desaturate by 10%, it is **35.5362, 17.9547, 87.9792**.

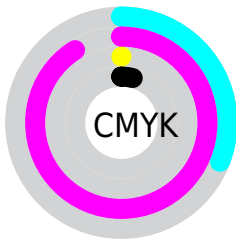
Distribution



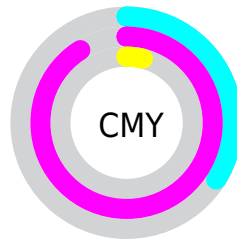
- Red (66%)
- Green (9%)
- Blue (96%)



- Red (66%)
- Yellow (9%)
- Blue (96%)



- Cyan (31%)
- Magenta (91%)
- Yellow (0%)
- Black (4%)





- Cyan (34%)
- Magenta (91%)
- Yellow (4%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 32.9363, 15.5302, 87.6479 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 32.9363, 15.5302, 87.6479 by changing the saturation by 10% instead.

 32.9363, 15.5302,
87.6479

 32.9363, 15.5302,
87.6479

307.0327,
226.5533, 540.7209

 22.2367, 9.1923,
65.4688


 63.6314, 35.7807,
145.9737

 14.1485, 4.8668,
47.3876


 84.3576, 50.4620,
182.9575


 8.3064, 2.1693,
32.9856


 109.1566, 68.6934,
225.7133

 4.3451, 0.7032,
21.8444

 138.3939, 90.8591,
274.6596

 1.8991, 0.0000,
13.5454

 172.4348,
117.3435, 330.2149

 0.5763, 0.0000,
7.6700

 211.6447,

 0.0000, 0.0000,

148.5311, 392.7979

3.7998

256.3888,
184.8063, 462.8271

■ 0.0000, 0.0000,
1.5162

■ 0.0000, 0.0000,
0.2299

■ 32.9363, 15.5302,
87.6479

■ 32.9363, 15.5302,
87.6479

■ 30.9838, 14.0688,
87.4691

■ 35.5362, 17.9547,
87.9792

■ 38.8063, 21.5418,
88.4992

■ 42.8294, 26.4531,
89.2351

■ 47.6746, 32.8237,
90.2094

■ 53.4023, 40.7712,
91.4416

■ 60.0667, 50.4014,
92.9491

■ 67.7175, 61.8104,
94.7480

■ 76.4004, 75.0872,
96.8531

■ 86.1582, 90.3145,
99.2780

Harmonies

Analogous

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



20.7111, 15.5302, 138.5815



32.9363, 15.5302, 87.6479



41.5336, 15.5302, 32.9730

Triad

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



32.9363, 15.5302, 87.6479



19.6323, 15.5302, 0.0000



3.0865, 15.5302, 37.0466

Complementary

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



32.9363, 15.5302, 87.6479



38.0627, 68.0762, 11.9447

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.



3.0045, 15.5302, 7.1532



32.9363, 15.5302, 87.6479



10.0759, 15.5302, 0.0000

Square

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



32.9363, 15.5302, 87.6479



31.8532, 15.5302, 0.0000



4.9183, 15.5302, 0.0960



5.2331, 15.5302, 93.2655

Rectangle

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



32.9363, 15.5302, 87.6479



42.3577, 15.5302, 11.6105



4.9183, 15.5302, 0.0960



2.8646, 15.5302, 23.6168

Sweetspot

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



32.9372, 15.5307, 87.6483



68.6344, 59.4100, 102.4576



21.4597, 16.0243, 88.3485



14.1025, 11.8472, 21.7934



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.



32.9372, 15.5307, 87.6483



33.8929, 15.3873, 95.7914



49.8087, 24.7638, 64.2443



16.6231, 16.4639, 20.8443



16.8465, 7.6590, 47.1285



1.5911, 0.7301, 4.1473

Inverse Universe

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



40.2630, 20.9455, 13.9772



43.0199, 21.9719, 11.3027



33.7272, 65.7757, 14.6986



16.7364, 16.5774, 18.3585



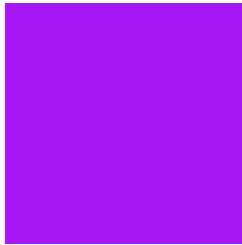
21.2277, 10.8345, 5.9074



1.9123, 0.9709, 0.7645

Previews

White Background



This preview shows how the XYZ color 32.9363, 15.5302, 87.6479 looks on a white background.

Color Contrast Check

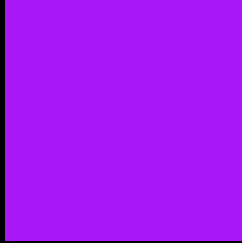
Large Text (above 18pt) WCAG AA ✓ Pass

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 32.9363, 15.5302, 87.6479 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

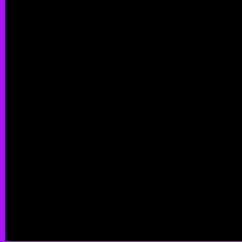
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 32.9363, 15.5302, 87.6479

Background



This preview shows how black text looks on a background with the XYZ color 32.9363, 15.5302, 87.6479.



This preview shows how white text looks on a background with the XYZ color 32.9363, 15.5302,

87.6479.

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

32.9363, 15.5302, 87.6479

Protanopia

18.7122, 15.8972, 72.6032

Deuteranopia

15.6427, 15.7053, 53.2459



Tritanopia

18.1522, 15.4089, 15.3821

Trichromacy



Original Color

32.9363, 15.5302, 87.6479



Protanomaly

19.0744, 11.9872, 77.6524



Deuteranomaly

16.8034, 11.5335, 64.2913



Tritanomaly

21.1398, 13.4560, 32.9356

Monochromacy



Original Color

32.9363, 15.5302, 87.6479



Achromatopsia

10.1725, 10.7023, 11.6548



Achromatomaly

15.0982, 10.1455, 29.1795

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.9363, 15.5302, 87.6479 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, 23, 245)` looks like.

```
.text, #text, p{  
    color:rgb(168, 23, 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, 23, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 23, 245) }
```

Border

The CSS property to change the border of an element to XYZ 32.9363, 15.5302, 87.6479 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, 23, 245) }
```


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

```
.border{ border-color:rgb(168, 23, 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, 23, 245)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 23, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 23, 245);  
box-shadow:4px 4px 4px 4px rgb(168, 23,  
245) }
```

Background

The CSS property to change the background color of an element to XYZ 32.9363, 15.5302, 87.6479 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 23, 245) }
```

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

```
.background{ background-color: rgb(168, 23,  
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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