

Converting Colors

XYZ(27.1587, 12.8085, 68.1344)

Have a look what the booklet for
XYZ(27.1587, 12.8085, 68.1344)
contains.

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Color

**XYZ(27.0872, 12.7845,
68.0578)**

Conversions

Conversions Part 1

Format	Color
Hex	9E11DB
RGB	158, 17, 219
RGB Percent	62%, 7%, 86%
CMY	0.3804, 0.9333, 0.1412
CMYK	0.28, 0.92, 0.00, 0.14
HSL	282°, 86%, 46%
HSV	282°, 92%, 86%
XYZ	27.0872, 12.7845, 68.0578
YIQ	82.1870, 19.1940, 92.7140

Conversions

Conversions Part 2

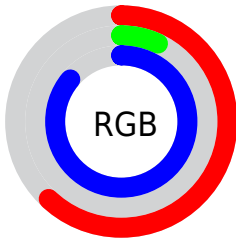
Format	Color
R_{YB}	158, 17, 219
Decimal	10359259
CIE Lab	42.44, 77.15, -70.25
CIE LCh	42, 104.345, 317.682
Yxy	12.7845, 0.2510, 0.1185
Android (android.graphics.Color)	4288549339 (0xFF9E11DB)
YUV	82.1870, 67.4488, 66.4880
Hunter-Lab	35.7554, 72.6541, -87.8253

Details

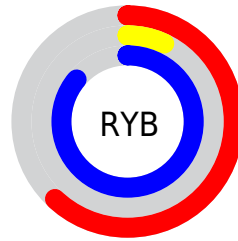
The XYZ color **27.0872, 12.7845, 68.0578** is a dark color, and the websafe version is hex **9900CC**. The color can be described as dark washed purple. A complement of this color would be **28.5749, 52.3235, 9.1239**, and the grayscale version is **7.9249, 8.3376, 9.0797**.

A 20% lighter version of the original color is **50.6196, 29.4378, 97.6218**, and **11.7564, 5.2970, 35.0531** is the 20% darker color. If you saturate the color by 10%, you get **25.8981, 11.8739, 67.9450**, and if you desaturate by 10%, it is **28.9460, 14.5176, 68.2946**.

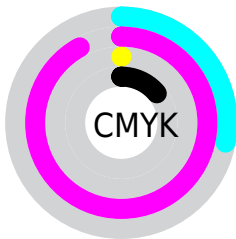
Distribution



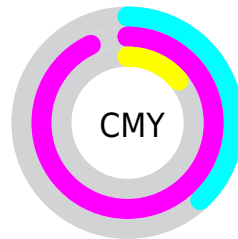
- Red (62%)
- Green (7%)
- Blue (86%)



- Red (62%)
- Yellow (7%)
- Blue (86%)



- Cyan (28%)
- Magenta (92%)
- Yellow (0%)
- Black (14%)





- Cyan (38%)
- Magenta (93%)
- Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.0872, 12.7845, 68.0578 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 27.0872, 12.7845, 68.0578 by changing the saturation by 10% instead.

 27.0872, 12.7845,
68.0578


 27.0872, 12.7845,
68.0578


280.2389,
209.5319, 472.3044


 17.7756, 7.2803,
49.4778


 54.4427, 30.9161,
118.0898


 10.8877, 3.6380,
34.6304


 73.2173, 44.3123,
150.3789


 6.0581, 1.4732,
23.0970


 95.8770, 61.1079,
188.0747

 2.9215, 0.2698,
14.4592

 122.7871, 81.6874,
231.5959

 1.1124, 0.0000,
8.2983

 154.3130,
106.4352, 281.3609

 0.0354, 0.0000,
4.1959

 190.8200,

 0.0000, 0.0000,

135.7356, 337.7883

1.7334

232.6736,
169.9730, 401.2966

■ 0.0000, 0.0000,
0.3835

■ 0.0000, 0.0000,
0.0000

■ 27.0872, 12.7845,
68.0578

■ 27.0872, 12.7845,
68.0578

■ 25.8981, 11.8739,
67.9450

■ 28.9460, 14.5176,
68.2946

■ 31.2892, 17.1150,
68.6725

■ 34.1810, 20.7024,
69.2125

■ 37.6743, 25.3842,
69.9320

■ 41.8152, 31.2512,
70.8462

■ 46.6450, 38.3844,
71.9685

■ 52.2013, 46.8579,
73.3112

■ 58.5190, 56.7396,
74.8856

■ 65.6303, 68.0930,
76.7022

Harmonies

Analogous

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



17.3395, 12.7845, 109.1582



27.0872, 12.7845, 68.0578



33.6818, 12.7845, 25.3354

Triad

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



27.0872, 12.7845, 68.0578



15.6660, 12.7845, 0.0000



2.6950, 12.7845, 31.6220

Complementary

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



27.0872, 12.7845, 68.0578



28.5749, 52.3235, 9.1239

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.



2.5632, 12.7845, 6.5820



27.0872, 12.7845, 68.0578



8.1174, 12.7845, 0.0000

Square

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



27.0872, 12.7845, 68.0578



25.4173, 12.7845, 0.0000



4.0561, 12.7845, 0.2040



4.5563, 12.7845, 76.6401

Rectangle

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



27.0872, 12.7845, 68.0578



34.1021, 12.7845, 8.9022



4.0561, 12.7845, 0.2040



2.4887, 12.7845, 20.5389

Sweetspot

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



27.0879, 12.7850, 68.0581



68.8553, 58.7326, 102.3152



15.9577, 11.1142, 68.3222



14.0382, 11.5143, 21.7325



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.



27.0879, 12.7850, 68.0581



36.4093, 16.6845, 95.9092



37.8542, 18.8373, 45.8794



13.2117, 13.0673, 16.4780



15.4720, 7.1003, 40.2934



1.0881, 0.5042, 2.6144

Inverse Universe

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



30.7893, 16.0113, 8.6760



42.5797, 21.7959, 8.9847



26.2296, 51.0491, 11.9657



13.2171, 13.1159, 14.4044



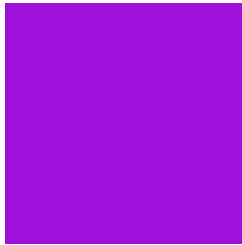
17.9502, 9.1811, 4.1178



1.2005, 0.6099, 0.4650

Previews

White Background



This preview shows how the XYZ color 27.0872, 12.7845, 68.0578 looks on a white background.

Color Contrast Check

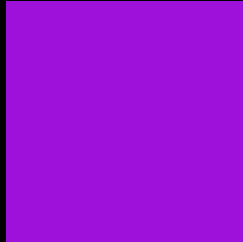
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.0872, 12.7845, 68.0578 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 27.0872, 12.7845, 68.0578

Background



This preview shows how black text looks on a background with the XYZ color 27.0872, 12.7845, 68.0578.



This preview shows how white text looks on a background with the XYZ color 27.0872, 12.7845,

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

27.0872, 12.7845, 68.0578

Protanopia

15.5083, 13.1916, 60.1214

Deuteranopia

13.0870, 13.1553, 44.4973



Tritanopia

15.7005, 12.9251, 12.0232

Trichromacy



Original Color

27.0872, 12.7845, 68.0578



Protanomaly

15.5733, 9.8292, 62.7044



Deuteranomaly

13.7423, 9.3996, 52.1289



Tritanomaly

18.0599, 11.3291, 25.6610

Monochromacy



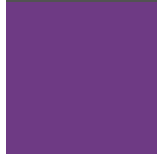
Original Color

27.0872, 12.7845, 68.0578



Achromatopsia

8.0200, 8.4376, 9.1886



Achromatomaly

12.1083, 8.0071, 22.7371

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.0872, 12.7845, 68.0578 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(158, 17, 219)` looks like.

```
.text, #text, p{  
  color:rgb(158, 17, 219)  
}
```

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(158, 17, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 17, 219) }
```

Border

The CSS property to change the border of an element to XYZ 27.0872, 12.7845, 68.0578 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(158, 17, 219) }
```


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

```
.border{ border-color:rgb(158, 17, 219) }
```

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

Here you see how a box with a 4 pixel `rgb(158, 17, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 17, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 17, 219);  
box-shadow:4px 4px 4px 4px rgb(158, 17,  
219) }
```

Background

The CSS property to change the background color of an element to XYZ 27.0872, 12.7845, 68.0578 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 17, 219) }
```

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

```
.background{ background-color: rgb(158, 17,  
219) }
```

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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