

Converting Colors

XYZ(27.1346, 12.7766, 57.1733)

Have a look what the booklet for
XYZ(27.1346, 12.7766, 57.1733)
contains.

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Color

**XYZ(27.0446, 12.7427,
56.9113)**

Conversions

Conversions Part 1

Format	Color
Hex	A902CA
RGB	169, 2, 202
RGB Percent	66%, 1%, 79%
CMY	0.3372, 0.9921, 0.2078
CMYK	0.16, 0.99, 0.00, 0.21
HSL	290°, 98%, 40%
HSV	290°, 99%, 79%
XYZ	27.0446, 12.7427, 56.9113
YIQ	74.7330, 35.3320, 97.6040

Conversions

Conversions Part 2

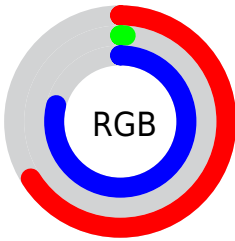
Format	Color
RYB	169, 2, 202
Decimal	11076298
CIELab	42.37, 77.26, -60.46
CIELCh	42, 98.104, 321.953
Yxy	12.7427, 0.2797, 0.1318
Android (android.graphics.Color)	4289266378 (0xFFA902CA)
YUV	74.7330, 62.7426, 82.6722
Hunter-Lab	35.6969, 72.7651, -69.5377

Details

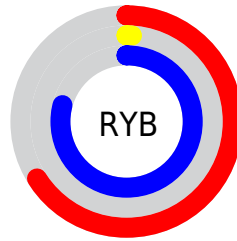
The XYZ color **27.0446, 12.7427, 56.9113** is a dark color, and the websafe version is hex **9900CC**. The color can be described as dark washed purple. A complement of this color would be **21.8251, 42.6031, 7.1307**, and the grayscale version is **6.5280, 6.8679, 7.4792**.

A 20% lighter version of the original color is **53.6909, 30.5336, 97.6715**, and **11.8220, 5.4861, 28.0396** is the 20% darker color. If you saturate the color by 10%, you get **26.9522, 12.6629, 56.9010**, and if you desaturate by 10%, it is **28.0386, 13.6549, 57.0352**.

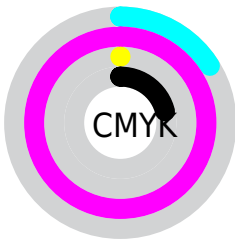
Distribution



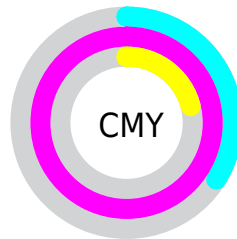
- Red (66%)
- Green (1%)
- Blue (79%)



- Red (66%)
- Yellow (1%)
- Blue (79%)



- Cyan (16%)
- Magenta (99%)
- Yellow (0%)
- Black (21%)



- Cyan (34%)
- Magenta (99%)
- Yellow (21%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.0446, 12.7427, 56.9113 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 27.0446, 12.7427, 56.9113 by changing the saturation by 10% instead.

■ 27.0446, 12.7427,
56.9113

■ 27.0446, 12.7427,
56.9113

280.0366,
209.2620, 430.6013

■ 17.7435, 7.2516,
40.5251

■ 54.3748, 30.8408,
101.8348

■ 10.8645, 3.6199,
27.6313

■ 73.1346, 44.2165,
131.2092

■ 6.0424, 1.4633,
17.8113

■ 95.7780, 60.9893,
165.7502

■ 2.9118, 0.2627,
10.6466

■ 122.6704, 81.5434,
205.8761

■ 1.1073, 0.0000,
5.7185

■ 154.1771,
106.2634, 252.0057

■ 0.0312, 0.0000,
2.6087

■ 190.6634,

■ 0.0000, 0.0000,

135.5336, 304.5574

0.8969

232.4948,
169.7383, 363.9497

■ 0.0000, 0.0000,
0.0000

■ 27.0446, 12.7427,
56.9113

■ 27.0446, 12.7427,
56.9113

■ 26.9522, 12.6629,
56.9010

■ 28.0386, 13.6549,
57.0352

■ 29.3329, 15.1411,
57.2538

■ 31.0075, 17.3603,
57.5939

■ 33.1100, 20.4079,
58.0714

■ 35.6811, 24.3646,
58.6996

■ 38.7563, 29.3017,
59.4904

■ 42.3679, 35.2832,
60.4546

■ 46.5451, 42.3676,
61.6019

■ 51.3152, 50.6093,
62.9413

Harmonies

Analogous

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



18.2174, 12.7427, 95.7819



27.0446, 12.7427, 56.9113



32.2518, 12.7427, 20.3647

Triad

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



27.0446, 12.7427, 56.9113



14.2050, 12.7427, 0.0000



3.1507, 12.7427, 35.2419

Complementary

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



27.0446, 12.7427, 56.9113



21.8251, 42.6031, 7.1307

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.



2.8026, 12.7427, 8.9347



27.0446, 12.7427, 56.9113



7.5497, 12.7427, 0.0000

Square

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



27.0446, 12.7427, 56.9113



23.1091, 12.7427, 0.0000



4.0299, 12.7427, 0.8805



5.3103, 12.7427, 76.6301

Rectangle

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



27.0446, 12.7427, 56.9113



31.9307, 12.7427, 7.0538



4.0299, 12.7427, 0.8805



2.8663, 12.7427, 24.0884

Sweetspot

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



27.0452, 12.7432, 56.9116



70.8177, 58.2042, 102.1098



11.2971, 5.4996, 56.3434



14.5862, 11.5076, 21.7024



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.



27.0452, 12.7432, 56.9116



45.4688, 21.3549, 96.3332



28.7760, 14.3591, 24.3014



11.4988, 11.3064, 14.1467



17.4078, 8.1816, 36.6180



0.9477, 0.4477, 1.8914

Inverse Universe

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



24.6826, 12.7217, 2.7455



41.6593, 21.4277, 4.1378



22.2099, 42.6798, 12.6449



11.2866, 11.2434, 12.0438



15.8754, 8.1608, 1.7966



0.8432, 0.4307, 0.2199

Previews

White Background



This preview shows how the XYZ color 27.0446, 12.7427, 56.9113 looks on a white background.

Color Contrast Check

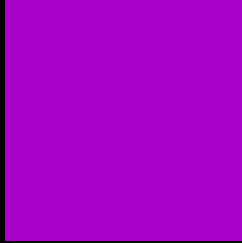
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.0446, 12.7427, 56.9113 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

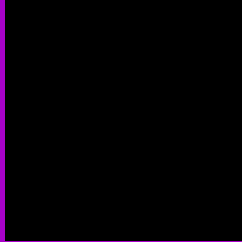
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 27.0446, 12.7427, 56.9113

Background



This preview shows how black text looks on a background with the XYZ color 27.0446, 12.7427, 56.9113.



This preview shows how white text looks on a background with the XYZ color 27.0446, 12.7427,

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

27.0446, 12.7427, 56.9113

Protanopia

15.7528, 13.2894, 61.4094

Deuteranopia

13.4976, 13.3195, 46.6593



Tritanopia

17.5725, 13.0201, 10.1813

Trichromacy



Original Color

27.0446, 12.7427, 56.9113



Protanomaly

14.8426, 9.0033, 59.3480



Deuteranomaly

13.2259, 8.7241, 49.7020



Tritanomaly

19.3782, 11.2971, 21.5813

Monochromacy



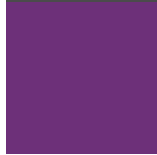
Original Color

27.0446, 12.7427, 56.9113



Achromatopsia

6.6877, 7.0360, 7.6622



Achromatomaly

10.8148, 6.7456, 18.8212

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.0446, 12.7427, 56.9113 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(169, 2, 202)` looks like.

```
.text, #text, p{  
    color:rgb(169, 2, 202)  
}
```

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(169, 2, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 2, 202) }
```

Border

The CSS property to change the border of an element to XYZ 27.0446, 12.7427, 56.9113 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(169, 2, 202) }
```


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

```
.border{ border-color:rgb(169, 2, 202) }
```

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

Here you see how a box with a 4 pixel rgb(169, 2, 202) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(169, 2, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(169, 2, 202);  
box-shadow:4px 4px 4px 4px rgb(169, 2,  
202) }
```

Background

The CSS property to change the background color of an element to XYZ 27.0446, 12.7427, 56.9113 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 2, 202) }
```

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

```
.background{ background-color: rgb(169, 2,  
202) }
```

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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