

# Converting Colors

XYZ(27.0615, 12.4673, 78.0713)

Have a look what the booklet for  
XYZ(27.0615, 12.4673, 78.0713)  
contains.

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# Color

**XYZ(27.0646, 12.4669,  
78.0707)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	940DE9
RGB	148, 13, 233
RGB Percent	58%, 5%, 91%
CMY	0.4196, 0.9490, 0.0863
CMYK	0.36, 0.94, 0.00, 0.09
HSL	277°, 89%, 48%
HSV	277°, 94%, 91%
XYZ	27.0646, 12.4669, 78.0707
YIQ	78.4450, 9.8400, 97.0400

# Conversions

## Conversions Part 2

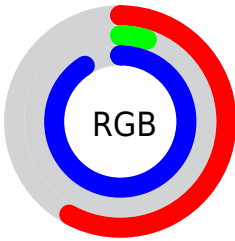
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	148, 13, 233
Decimal	9702889
CIE <sub>Lab</sub>	41.95, 79.17, -79.10
CIE <sub>LCh</sub>	42, 111.909, 315.025
Yxy	12.4669, 0.2301, 0.1060
Android (android.graphics.Color)	4287892969 (0xFF940DE9)
YUV	78.4450, 76.1956, 60.9997
Hunter-Lab	35.3085, 75.0336, -106.3803

# Details

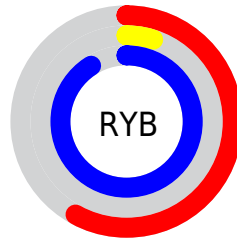
The XYZ color **27.0646, 12.4669, 78.0707** is a dark color, and the websafe version is hex **9933FF**. The color can be described as dark washed purple. A complement of this color would be **34.2483, 60.9036, 10.3313**, and the grayscale version is **7.1850, 7.5592, 8.2320**.

A 20% lighter version of the original color is **47.8342, 27.7548, 97.4438**, and **11.6742, 5.1130, 41.4459** is the 20% darker color. If you saturate the color by 10%, you get **26.0325, 11.7212, 77.9814**, and if you desaturate by 10%, it is **29.2537, 14.3318, 78.3156**.

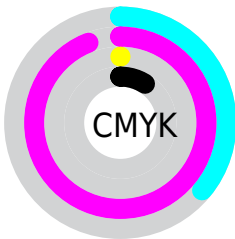
# Distribution



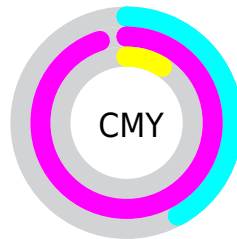
- Red (58%)
- Green (5%)
- Blue (91%)



- Red (58%)
- Yellow (5%)
- Blue (91%)



- Cyan (36%)
- Magenta (94%)
- Yellow (0%)
- Black (9%)




- Cyan (42%)
- Magenta (95%)
- Yellow (9%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 27.0646, 12.4669, 78.0707 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 27.0646, 12.4669, 78.0707 by changing the saturation by 10% instead.



 27.0646, 12.4669,  
78.0707


 27.0646, 12.4669,  
78.0707


280.1316,  
207.4723, 507.9412


 17.7586, 7.0625,  
57.6153


 54.4067, 30.3427,  
132.4366


 10.8754, 3.5012,  
41.0868


 73.1734, 43.5828,  
167.1841


 6.0498, 1.3987,  
28.0667


 95.8245, 60.2037,  
207.5327

 2.9163, 0.2157,  
18.1365

 122.7252, 80.5896,  
253.9009

 1.1097, 0.0000,  
10.8775

 154.2409,  
105.1250, 306.7074

 0.0332, 0.0000,  
5.8714

 190.7370,

 0.0000, 0.0000,

134.1944, 366.3705

2.6995

232.5788,  
168.1820, 433.3089

■ 0.0000, 0.0000,  
0.9432

■ 0.0000, 0.0000,  
0.0000

■ 27.0646, 12.4669,  
78.0707

■ 27.0646, 12.4669,  
78.0707

■ 26.0325, 11.7212,  
77.9814

■ 29.2537, 14.3318,  
78.3156

■ 32.0304, 17.1809,  
78.7192

■ 35.4749, 21.1694,  
79.3075

■ 39.6525, 26.4242,  
80.1016

■ 44.6200, 33.0549,  
81.1196

■ 50.4277, 41.1588,  
82.3777

■ 57.1218, 50.8244,  
83.8906

■ 64.7445, 62.1329,  
85.6715

■ 73.3353, 75.1598,  
87.7332

# Harmonies

## Analogous

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



16.4765, 12.4669, 122.4689



27.0646, 12.4669, 78.0707



34.8553, 12.4669, 29.1004

# Triad

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



27.0646, 12.4669, 78.0707



16.4595, 12.4669, 0.0000



2.1632, 12.4669, 29.1655

# Complementary

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



27.0646, 12.4669, 78.0707



34.2483, 60.9036, 10.3313

# 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.



2.1621, 12.4669, 4.8704



27.0646, 12.4669, 78.0707



8.1815, 12.4669, 0.0000

# Square

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



27.0646, 12.4669, 78.0707



27.0473, 12.4669, 0.0000



3.7762, 12.4669, 0.0000



3.7809, 12.4669, 78.1627



# Rectangle

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



27.0646, 12.4669, 78.0707



35.8493, 12.4669, 9.9579



3.7762, 12.4669, 0.0000



2.0114, 12.4669, 17.9748

# Sweetspot

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



27.0653, 12.4673, 78.0710



66.9171, 57.7334, 102.2245



19.5277, 15.2761, 79.0105



13.5698, 11.2728, 21.7106



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.



27.0653, 12.4673, 78.0710



31.8536, 14.3360, 95.6960



45.5062, 22.3147, 63.5369



15.1186, 15.0064, 19.0219



14.9140, 6.7244, 44.2548



1.2781, 0.5832, 3.4801



# Inverse Universe

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



35.9528, 18.4933, 13.2290



43.4692, 22.1517, 13.6687



29.6084, 58.4850, 11.3183



15.3063, 15.1504, 16.8985



20.1716, 10.2713, 6.7052

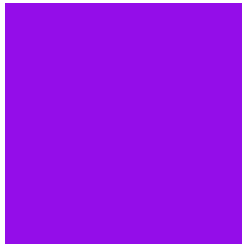


1.6298, 0.8249, 0.7678



# Previews

## White Background



This preview shows how the XYZ color 27.0646, 12.4669, 78.0707 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

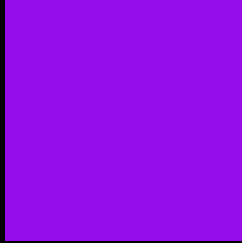
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 27.0646, 12.4669, 78.0707 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

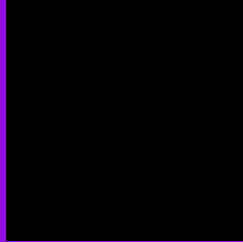
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

**XYZ 27.0646, 12.4669, 78.0707**

## **Background**



This preview shows how black text looks on a background with the XYZ color 27.0646, 12.4669, 78.0707.



This preview shows how white text looks on a background with the XYZ color 27.0646, 12.4669,



# 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

27.0646, 12.4669, 78.0707

### Protanopia

15.0542, 12.8612, 58.1889

### Deuteranopia

12.5881, 12.7956, 42.3638



## Tritanopia

14.0193, 12.5206, 13.4822

# Trichromacy



## Original Color

27.0646, 12.4669, 78.0707



## Protanomaly

15.6071, 9.5357, 64.6363



## Deuteranomaly

13.6753, 9.1501, 53.2699



## Tritanomaly

16.4829, 10.5184, 29.1785

# Monochromacy



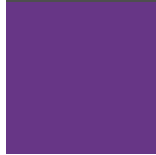
## Original Color

27.0646, 12.4669, 78.0707



## Achromatopsia

7.2414, 7.6185, 8.2966



## Achromatomaly

11.2158, 7.2431, 23.3612

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 27.0646, 12.4669, 78.0707 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(148, 13, 233)` looks like.

```
.text, #text, p{  
    color:rgb(148, 13, 233)  
}
```

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(148, 13, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(148, 13, 233) }
```

## Border

The CSS property to change the border of an element to XYZ 27.0646, 12.4669, 78.0707 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(148, 13, 233) }
```



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

```
.border{ border-color:rgb(148, 13, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(148, 13, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(148, 13, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(148, 13, 233);  
box-shadow:4px 4px 4px 4px rgb(148, 13,  
233) }
```

# Background

The CSS property to change the background color of an element to XYZ 27.0646, 12.4669, 78.0707 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(148, 13, 233) }
```

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

```
.background{ background-color: rgb(148, 13,  
233) }
```

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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