

Converting Colors

XYZ(25.4659, 12.9236, 78.3320)

Have a look what the booklet for
XYZ(25.4659, 12.9236, 78.3320)
contains.

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Color

**XYZ(25.3974, 12.9028,
78.2427)**

Conversions

Conversions Part 1

Format	Color
Hex	852FE9
RGB	133, 47, 233
RGB Percent	52%, 18%, 91%
CMY	0.4784, 0.8157, 0.0863
CMYK	0.43, 0.80, 0.00, 0.09
HSL	268°, 81%, 55%
HSV	268°, 80%, 91%
XYZ	25.3974, 12.9028, 78.2427
YIQ	93.9180, -8.4500, 76.0780

Conversions

Conversions Part 2

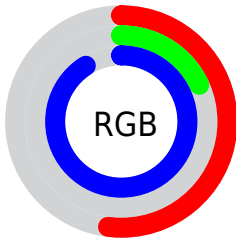
Format	Color
R _Y B	133, 47, 233
Decimal	8728553
CIE Lab	42.62, 69.39, -78.08
CIE LCh	43, 104.456, 311.629
Yxy	12.9028, 0.2179, 0.1107
Android (android.graphics.Color)	4286918633 (0xFF852FE9)
YUV	93.9180, 68.5674, 34.2749
Hunter-Lab	35.9205, 63.3468, -104.0024

Details

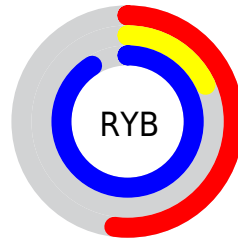
The XYZ color **25.3974, 12.9028, 78.2427** is a dark color, and the websafe version is hex **9933FF**. The color can be described as middle washed purple. A complement of this color would be **41.6840, 64.6860, 12.9780**, and the grayscale version is **10.4654, 11.0105, 11.9904**.

A 20% lighter version of the original color is **45.2484, 28.5900, 97.7413**, and **10.3623, 4.4367, 41.3845** is the 20% darker color. If you saturate the color by 10%, you get **22.8408, 10.5515, 77.9239**, and if you desaturate by 10%, it is **28.6879, 16.3693, 78.7387**.

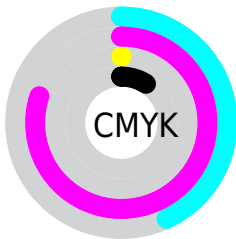
Distribution



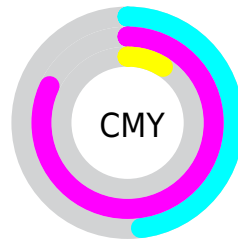
- Red (52%)
- Green (18%)
- Blue (91%)



- Red (52%)
- Yellow (18%)
- Blue (91%)



- Cyan (43%)
- Magenta (80%)
- Yellow (0%)
- Black (9%)




- Cyan (48%)
- Magenta (82%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 25.3974, 12.9028, 78.2427 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 25.3974, 12.9028, 78.2427 by changing the saturation by 10% instead.


 25.3974, 12.9028,
78.2427


 25.3974, 12.9028,
78.2427


272.1226,
210.2938, 508.5404


 16.5037, 7.3616,
57.7557


 51.7395, 31.1291,
132.6812


 9.9744, 3.6893,
41.1989


 69.9185, 44.5829,
167.4698

 5.4441, 1.5013,
28.1537


 91.9234, 61.4432,
207.8627

 2.5475, 0.2897,
18.2015

 118.1194, 82.0942,
254.2784

 0.9193, 0.0000,
10.9238

 148.8720,
106.9204, 307.1355

 0.0000, 0.0000,
5.9021

 184.5465,

 0.0000, 0.0000,

136.3061, 366.8525

2.7178

225.5082,
170.6358, 433.8480

■ 0.0000, 0.0000,
0.9524

■ 0.0000, 0.0000,
0.0000

■ 25.3974, 12.9028,
78.2427

■ 25.3974, 12.9028,
78.2427

■ 22.8408, 10.5515,
77.9239

■ 28.6879, 16.3693,
78.7387

■ 20.8909, 9.0770,
77.7421

■ 32.7871, 21.0926,
79.4343

■ 20.8604, 9.0549,
77.7394

■ 37.7617, 27.1938,
80.3498

■ 43.6700, 34.7787,
81.5024

■ 50.5647, 43.9426,
82.9078

■ 58.4942, 54.7727,
84.5803

■ 67.5036, 67.3493,
86.5330

■ 77.6351, 81.7479,
88.7782

■ 88.3836, 96.9494,
91.1459

Harmonies

Analogous

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



15.5924, 12.9028, 114.4880



25.3974, 12.9028, 78.2427



33.1037, 12.9028, 32.7361

Triad

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



25.3974, 12.9028, 78.2427



17.7093, 12.9028, 0.0000



2.5840, 12.9028, 24.7865

Complementary

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



25.3974, 12.9028, 78.2427



41.6840, 64.6860, 12.9780

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.



2.7514, 12.9028, 4.3064



25.3974, 12.9028, 78.2427



9.4461, 12.9028, 0.0000

Square

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



25.3974, 12.9028, 78.2427



27.5083, 12.9028, 0.2857



4.6803, 12.9028, 0.0000



4.0459, 12.9028, 67.4044

Rectangle

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



25.3974, 12.9028, 78.2427



34.6171, 12.9028, 12.8465



4.6803, 12.9028, 0.0000



2.4772, 12.9028, 15.3242

Sweetspot

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



25.3981, 12.9032, 78.2430



67.4516, 61.2597, 102.8770



26.6753, 28.0776, 81.1047



13.7025, 12.1111, 21.8654



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.



25.3981, 12.9032, 78.2430



26.3854, 11.6814, 95.4718



46.3722, 23.7157, 79.2246



14.8932, 14.8902, 19.0114



11.9764, 5.2100, 44.1174



1.0504, 0.4658, 3.4694

Inverse Universe

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



39.8871, 21.4632, 29.6426



46.2187, 23.4286, 27.6015



31.2998, 59.3327, 12.4920



15.4041, 15.1895, 17.4131



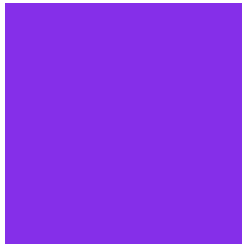
21.2411, 10.6991, 12.3368



1.7164, 0.8595, 1.2242

Previews

White Background



This preview shows how the XYZ color 25.3974, 12.9028, 78.2427 looks on a white background.

Color Contrast Check

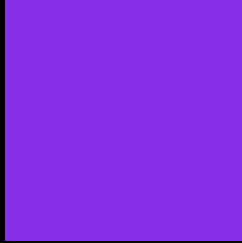
Large Text (above 18pt) WCAG AA ✓ Pass

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 25.3974, 12.9028, 78.2427 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 25.3974, 12.9028, 78.2427

Background



This preview shows how black text looks on a background with the XYZ color 25.3974, 12.9028, 78.2427.



This preview shows how white text looks on a background with the XYZ color 25.3974, 12.9028,

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

25.3974, 12.9028, 78.2427

Protanopia

15.2941, 12.9572, 59.4525

Deuteranopia

12.6867, 12.8351, 42.8831



Tritanopia

12.7723, 12.9073, 15.4539

Trichromacy



Original Color

25.3974, 12.9028, 78.2427



Protanomaly

16.2806, 11.1266, 65.5796



Deuteranomaly

14.3902, 10.8461, 54.1584



Tritanomaly

15.6064, 11.6492, 31.1317

Monochromacy



Original Color

25.3974, 12.9028, 78.2427



Achromatopsia

10.6392, 11.1932, 12.1894



Achromatomaly

13.9491, 10.5402, 28.0873

CSS Examples

Text

The CSS property to change the color of the text to XYZ 25.3974, 12.9028, 78.2427 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(133, 47, 233)` looks like.

```
.text, #text, p{  
    color:rgb(133, 47, 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(133, 47, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 47, 233) }
```

Border

The CSS property to change the border of an element to XYZ 25.3974, 12.9028, 78.2427 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(133, 47, 233) }
```


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

```
.border{ border-color:rgb(133, 47, 233) }
```

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

Here you see how a box with a 4 pixel rgb(133, 47, 233) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 47, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 47, 233);  
box-shadow:4px 4px 4px 4px rgb(133, 47,  
233) }
```

Background

The CSS property to change the background color of an element to XYZ 25.3974, 12.9028, 78.2427 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 47, 233) }
```

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

```
.background{ background-color: rgb(133, 47,  
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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