

Converting Colors

XYZ(24.7814, 10.9584, 83.2471)

Have a look what the booklet for
XYZ(24.7814, 10.9584, 83.2471)
contains.

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Color

**XYZ(24.7814, 10.9584,
83.2471)**

Conversions

Conversions Part 1

Format	Color
Hex	8100F0
RGB	129, 0, 240
RGB Percent	51%, 0%, 94%
CMY	0.4941, 1.0000, 0.0588
CMYK	0.46, 1.00, 0.00, 0.06
HSL	272°, 100%, 47%
HSV	272°, 100%, 94%
XYZ	24.7814, 10.9584, 83.2471
YIQ	65.9310, -0.1560, 101.9880

Conversions

Conversions Part 2

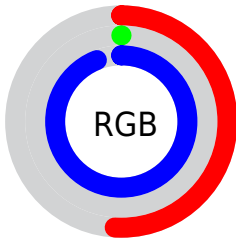
Format	Color
R_{YB}	129, 0, 240
Decimal	8454384
CIE _{Lab}	39.51, 80.15, -87.17
CIE _{LCh}	40, 118.422, 312.598
Yxy	10.9584, 0.2083, 0.0921
Android (android.graphics.Color)	4286644464 (0xFF8100F0)
YUV	65.9310, 85.8160, 55.3115
Hunter-Lab	33.1035, 75.6948, -125.9273

Details

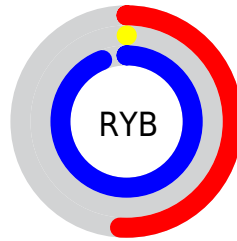
The XYZ color **24.7814, 10.9584, 83.2471** is a dark color, and the websafe version is hex **9900FF**. The color can be described as dark saturated purple. A complement of this color would be **37.7152, 65.6996, 10.6935**, and the grayscale version is **5.0399, 5.3024, 5.7743**.

A 20% lighter version of the original color is **42.5532, 24.3310, 97.0613**, and **10.3680, 4.3695, 44.5529** is the 20% darker color. If you saturate the color by 10%, you get **24.7822, 10.9588, 83.2474**, and if you desaturate by 10%, it is **26.8877, 12.5291, 83.4396**.

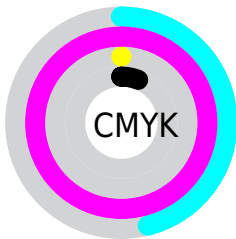
Distribution



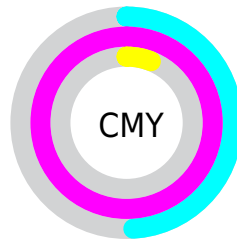
- Red (51%)
- Green (0%)
- Blue (94%)



- Red (51%)
- Yellow (0%)
- Blue (94%)



- Cyan (46%)
- Magenta (100%)
- Yellow (0%)
- Black (6%)





- Cyan (49%)
- Magenta (100%)
- Yellow (6%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 24.7814, 10.9584, 83.2471 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 24.7814, 10.9584, 83.2471 by changing the saturation by 10% instead.


 24.7814, 10.9584,
83.2471

 24.7814, 10.9584,
83.2471


269.1153,
197.3819, 525.8022


 16.0421, 6.0389,
61.8522


 50.7478, 27.5832,
139.7738

 9.6450, 2.8687,
44.4783


 68.7057, 40.0573,
175.7427


 5.2247, 1.0636,
30.7067


 90.4671, 55.8183,
217.4068

 2.4158, 0.0000,
20.1191

 116.3975, 75.2507,
265.1844

 0.8530, 0.0000,
12.2967

 146.8621, 98.7389,
319.4943

 0.0000, 0.0000,
6.8211

 182.2264,

 0.0000, 0.0000,

126.6672, 380.7548

3.2737

222.8557,
159.4201, 449.3846

■ 0.0000, 0.0000,
1.2360

■ 0.0000, 0.0000,
0.0085

■ 24.7814, 10.9584,
83.2471

■ 24.7814, 10.9584,
83.2471

■ 24.7822, 10.9588,
83.2474

■ 26.8877, 12.5291,
83.4396

■ 29.5855, 15.0040,
83.7751

■ 33.0076, 18.6392,
84.2964

■ 37.2339, 23.5873,
85.0287

■ 42.3325, 29.9768,
85.9933

■ 48.3631, 37.9203,
87.2087

■ 55.3797, 47.5191,
88.6916

■ 63.4320, 58.8655,
90.4573

■ 72.5656, 72.0449,
92.5198

Harmonies

Analogous

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



14.1660, 10.9584, 128.3613



24.7814, 10.9584, 83.2471



33.2397, 10.9584, 30.6844

Triad

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



24.7814, 10.9584, 83.2471



15.7592, 10.9584, 0.0000



1.4392, 10.9584, 24.4338

Complementary

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



24.7814, 10.9584, 83.2471



37.7152, 65.6996, 10.6935

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.



1.5307, 10.9584, 2.9828



24.7814, 10.9584, 83.2471



7.3935, 10.9584, 0.0000

Square

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



24.7814, 10.9584, 83.2471



26.4511, 10.9584, 0.0000



3.0631, 10.9584, 0.0000



2.6754, 10.9584, 74.0258

Rectangle

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



24.7814, 10.9584, 83.2471



34.7622, 10.9584, 10.0346



3.0631, 10.9584, 0.0000



1.3460, 10.9584, 14.0543

Sweetspot

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



24.7822, 10.9588, 83.2474



63.4704, 54.4166, 101.7659



21.5224, 17.8797, 84.7551



12.8269, 10.6007, 21.6200



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.



24.7822, 10.9588, 83.2474



28.3776, 12.5441, 95.5333



50.5008, 24.3515, 78.3828



15.7089, 15.6471, 19.9139



13.7215, 6.0791, 45.5780



1.2562, 0.5649, 3.7970

Inverse Universe

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



38.8043, 19.6729, 16.7897



44.5060, 22.5664, 19.1286



31.2040, 62.3379, 10.6175



16.0769, 15.8805, 17.9613



21.3077, 10.7955, 9.5366



1.8223, 0.9180, 1.0552

Previews

White Background



This preview shows how the XYZ color 24.7814, 10.9584, 83.2471 looks on a white background.

Color Contrast Check

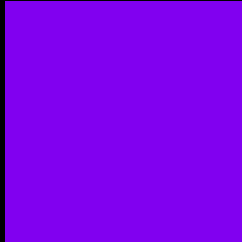
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.7814, 10.9584, 83.2471 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

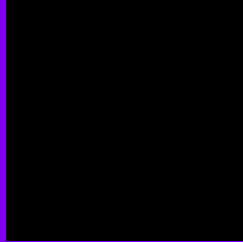
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 24.7814, 10.9584, 83.2471

Background



This preview shows how black text looks on a background with the XYZ color 24.7814, 10.9584, 83.2471.



This preview shows how white text looks on a background with the XYZ color 24.7814, 10.9584,

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

24.7814, 10.9584, 83.2471

Protanopia

13.2555, 11.2879, 51.3493

Deuteranopia

10.9755, 11.2297, 36.7110



Tritanopia

10.9678, 11.3247, 13.9197

Trichromacy



Original Color

24.7814, 10.9584, 83.2471



Protanomaly

14.1940, 8.2339, 61.1628



Deuteranomaly

12.4093, 7.8554, 50.7314



Tritanomaly

13.3468, 8.6245, 30.6670

Monochromacy



Original Color

24.7814, 10.9584, 83.2471



Achromatopsia

5.1784, 5.4480, 5.9329



Achromatomaly

8.9102, 5.3648, 21.3348

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.7814, 10.9584, 83.2471 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(129, 0, 240)` looks like.

```
.text, #text, p{  
    color:rgb(129, 0, 240)  
}
```

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(129, 0, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 0, 240) }
```

Border

The CSS property to change the border of an element to XYZ 24.7814, 10.9584, 83.2471 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(129, 0, 240) }
```


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

```
.border{ border-color:rgb(129, 0, 240) }
```

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

Here you see how a box with a 4 pixel rgb(129, 0, 240) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 0, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 0, 240);  
box-shadow:4px 4px 4px 4px rgb(129, 0,  
240) }
```

Background

The CSS property to change the background color of an element to XYZ 24.7814, 10.9584, 83.2471 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 0, 240) }
```

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

```
.background{ background-color: rgb(129, 0,  
240) }
```

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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