

Converting Colors

XYZ(24.9660, 11.1051, 80.9519)

Have a look what the booklet for
XYZ(24.9660, 11.1051, 80.9519)
contains.

XYZ(24.9589, 11.1010, 80.9480)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(24.9589, 11.1010,
80.9480)**

Conversions

Conversions Part 1

Format	Color
Hex	8500ED
RGB	133, 0, 237
RGB Percent	52%, 0%, 93%
CMY	0.4784, 1.0000, 0.0706
CMYK	0.44, 1.00, 0.00, 0.07
HSL	274°, 100%, 46%
HSV	274°, 100%, 93%
XYZ	24.9589, 11.1010, 80.9480
YIQ	66.7850, 3.1910, 101.9030

Conversions

Conversions Part 2

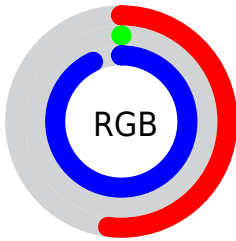
Format	Color
R_{YB}	133, 0, 237
Decimal	8716525
CIE _{Lab}	39.75, 79.88, -85.06
CIE _{LCh}	40, 116.689, 313.202
Yxy	11.1010, 0.2133, 0.0949
Android (android.graphics.Color)	4286906605 (0xFF8500ED)
YUV	66.7850, 83.9160, 58.0706
Hunter-Lab	33.3182, 75.4090, -120.7250

Details

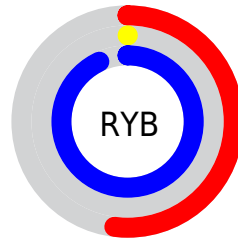
The XYZ color **24.9589, 11.1010, 80.9480** is a dark color, and the websafe version is hex **9900FF**. The color can be described as dark washed purple. A complement of this color would be **35.9928, 63.5114, 10.3619**, and the grayscale version is **5.1739, 5.4433, 5.9278**.

A 20% lighter version of the original color is **43.5730, 24.8567, 97.1090**, and **10.5530, 4.4886, 43.4902** is the 20% darker color. If you saturate the color by 10%, you get **24.9597, 11.1013, 80.9483**, and if you desaturate by 10%, it is **27.0043, 12.6312, 81.1358**.

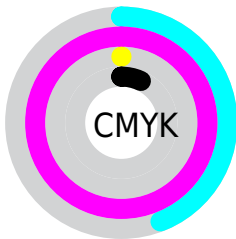
Distribution



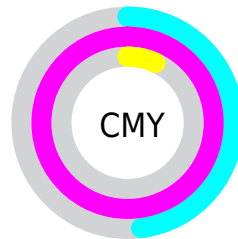
- Red (52%)
- Green (0%)
- Blue (93%)



- Red (52%)
- Yellow (0%)
- Blue (93%)



- Cyan (44%)
- Magenta (100%)
- Yellow (0%)
- Black (7%)





- Cyan (48%)
- Magenta (100%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.9589, 11.1010, 80.9480 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 24.9589, 11.1010, 80.9480 by changing the saturation by 10% instead.


 24.9589, 11.1010,
80.9480

 24.9589, 11.1010,
80.9480


269.9846,
198.3592, 517.9127


 16.1750, 6.1348,
59.9680


 51.0339, 27.8468,
136.5212

 9.7397, 2.9272,
42.9677


 69.0557, 40.3952,
171.9514


 5.2877, 1.0939,
29.5286


 90.8876, 56.2397,
213.0355

 2.4535, 0.0000,
19.2320

 116.8948, 75.7649,
260.1920

 0.8719, 0.0000,
11.6596

 147.4428, 99.3550,
313.8395

 0.0000, 0.0000,
6.3926

 182.8968,

 0.0000, 0.0000,

127.3945, 374.3964

3.0126

223.6223,
160.2678, 442.2813

■ 0.0000, 0.0000,
1.1011

■ 0.0000, 0.0000,
0.0000

■ 24.9589, 11.1010,
80.9480

■ 24.9589, 11.1010,
80.9480

■ 24.9597, 11.1013,
80.9483

■ 27.0043, 12.6312,
81.1358

■ 29.6077, 15.0304,
81.4617

■ 32.8975, 18.5478,
81.9673

■ 36.9505, 23.3310,
82.6769

■ 41.8318, 29.5040,
83.6111

■ 47.5986, 37.1758,
84.7880

■ 54.3028, 46.4441,
86.2236

■ 61.9915, 57.3980,
87.9327

■ 70.7088, 70.1202,
89.9289

Harmonies

Analogous

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



14.4652, 11.1010, 125.5523



24.9589, 11.1010, 80.9480



33.1664, 11.1010, 29.7945

Triad

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



24.9589, 11.1010, 80.9480



15.6459, 11.1010, 0.0000



1.5464, 11.1010, 25.1855

Complementary

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



24.9589, 11.1010, 80.9480



35.9928, 63.5114, 10.3619

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.



1.6169, 11.1010, 3.3065



24.9589, 11.1010, 80.9480



7.4157, 11.1010, 0.0000

Square

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



24.9589, 11.1010, 80.9480



26.1896, 11.1010, 0.0000



3.1391, 11.1010, 0.0000



2.8448, 11.1010, 74.2037

Rectangle

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



24.9589, 11.1010, 80.9480



34.5409, 11.1010, 9.7914



3.1391, 11.1010, 0.0000



1.4426, 11.1010, 14.7162

Sweetspot

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



24.9597, 11.1013, 80.9483



64.0205, 54.7001, 101.7917



20.5074, 16.5570, 82.2360



12.9573, 10.6679, 21.6261



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.



24.9597, 11.1013, 80.9483



29.3960, 13.0691, 95.5810



48.5363, 23.4490, 73.3097



15.0399, 14.9659, 19.0183



13.7804, 6.1400, 44.2018



1.1923, 0.5389, 3.4761

Inverse Universe

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



37.4237, 19.0040, 14.7914



44.1588, 22.4275, 17.2999



30.3497, 60.5948, 10.4394



15.3400, 15.1639, 17.0758



20.4953, 10.4008, 8.4097



1.6570, 0.8358, 0.9110

Previews

White Background



This preview shows how the XYZ color 24.9589, 11.1010, 80.9480 looks on a white background.

Color Contrast Check

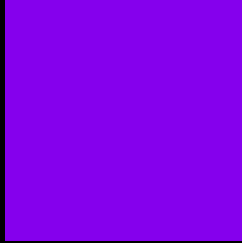
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.9589, 11.1010, 80.9480 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

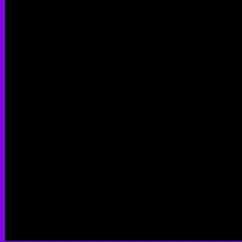
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 24.9589, 11.1010, 80.9480

Background



This preview shows how black text looks on a background with the XYZ color 24.9589, 11.1010, 80.9480.



This preview shows how white text looks on a background with the XYZ color 24.9589, 11.1010,

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

24.9589, 11.1010, 80.9480

Protanopia

13.4528, 11.5045, 51.9636

Deuteranopia

11.2506, 11.4885, 37.7009



Tritanopia

11.4942, 11.3411, 13.6398

Trichromacy



Original Color

24.9589, 11.1010, 80.9480



Protanomaly

14.2915, 8.3598, 61.1819



Deuteranomaly

12.4560, 7.8794, 50.7335



Tritanomaly

13.8790, 8.8406, 29.8291

Monochromacy



Original Color

24.9589, 11.1010, 80.9480



Achromatopsia

5.3350, 5.6128, 6.1124



Achromatomaly

9.1407, 5.5369, 21.3558

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.9589, 11.1010, 80.9480 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, 0, 237)` looks like.

```
.text, #text, p{  
    color:rgb(133, 0, 237)  
}
```

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, 0, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 0, 237) }
```

Border

The CSS property to change the border of an element to XYZ 24.9589, 11.1010, 80.9480 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, 0, 237) }
```


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

```
.border{ border-color:rgb(133, 0, 237) }
```

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

Here you see how a box with a 4 pixel rgb(133, 0, 237) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 0, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 0, 237);  
box-shadow:4px 4px 4px 4px rgb(133, 0,  
237) }
```

Background

The CSS property to change the background color of an element to XYZ 24.9589, 11.1010, 80.9480 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 0, 237) }
```

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

```
.background{ background-color: rgb(133, 0,  
237) }
```

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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