

Converting Colors

XYZ(25.4606, 11.3570, 81.0859)

Have a look what the booklet for
XYZ(25.4606, 11.3570, 81.0859)
contains.

XYZ(25.4394, 11.3487, 80.9705)	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(25.4394, 11.3487,
80.9705)**

Conversions

Conversions Part 1

Format	Color
Hex	8800ED
RGB	136, 0, 237
RGB Percent	53%, 0%, 93%
CMY	0.4666, 1.0000, 0.0706
CMYK	0.43, 1.00, 0.00, 0.07
HSL	274°, 100%, 46%
HSV	274°, 100%, 93%
XYZ	25.4394, 11.3487, 80.9705
YIQ	67.6820, 4.9790, 102.5390

Conversions

Conversions Part 2

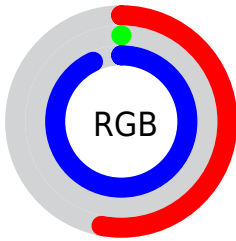
Format	Color
RYB	136, 0, 237
Decimal	8913133
CIELab	40.16, 80.15, -84.37
CIELCh	40, 116.369, 313.531
Yxy	11.3487, 0.2160, 0.0964
Android (android.graphics.Color)	4287103213 (0xFF8800ED)
YUV	67.6820, 83.4738, 59.9149
Hunter-Lab	33.6878, 75.8407, -118.9252

Details

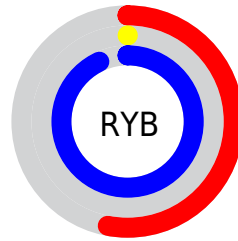
The XYZ color **25.4394, 11.3487, 80.9705** is a dark color, and the websafe version is hex **9900FF**. The color can be described as dark washed purple. A complement of this color would be **35.6507, 63.3351, 10.3459**, and the grayscale version is **5.3147, 5.5915, 6.0891**.

A 20% lighter version of the original color is **44.4320, 25.4123, 97.1710**, and **10.8368, 4.6349, 43.5035** is the 20% darker color. If you saturate the color by 10%, you get **25.4402, 11.3490, 80.9708**, and if you desaturate by 10%, it is **27.4791, 12.8759, 81.1581**.

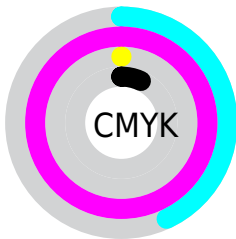
Distribution



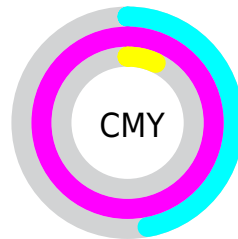
- Red (53%)
- Green (0%)
- Blue (93%)



- Red (53%)
- Yellow (0%)
- Blue (93%)



- Cyan (43%)
- Magenta (100%)
- Yellow (0%)
- Black (7%)





- Cyan (47%)
- Magenta (100%)
- Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 25.4394, 11.3487, 80.9705 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 25.4394, 11.3487, 80.9705 by changing the saturation by 10% instead.


 25.4394, 11.3487,
80.9705


 25.4394, 11.3487,
80.9705


272.3266,
200.0445, 517.9903


 16.5352, 6.3019,
59.9864


 51.8069, 28.3032,
136.5530


 9.9969, 3.0295,
42.9825


 70.0010, 40.9797,
171.9886

 5.4592, 1.1472,
29.5401


 92.0224, 56.9681,
213.0784

 2.5566, 0.0179,
19.2407

 118.2364, 76.6530,
260.2411

 0.9239, 0.0000,
11.6657

 149.0085,
100.4187, 313.8950

 0.0000, 0.0000,
6.3967

 184.7040,

 0.0000, 0.0000,

128.6496, 374.4588

3.0151

225.6883,
161.7300, 442.3511

■ 0.0000, 0.0000,
1.1024

■ 0.0000, 0.0000,
0.0000

■ 25.4394, 11.3487,
80.9705

■ 25.4394, 11.3487,
80.9705

■ 25.4402, 11.3490,
80.9708

■ 27.4791, 12.8759,
81.1581

■ 30.0684, 15.2679,
81.4833

■ 33.3352, 18.7735,
81.9878

■ 37.3561, 23.5400,
82.6959

■ 42.1956, 29.6916,
83.6282

■ 47.9108, 37.3367,
84.8026

■ 54.5530, 46.5731,
86.2353

■ 62.1693, 57.4897,
87.9410

■ 70.8033, 70.1690,
89.9333

Harmonies

Analogous

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



14.8510, 11.3487, 125.9898



25.4394, 11.3487, 80.9705



33.6377, 11.3487, 29.7779

Triad

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



25.4394, 11.3487, 80.9705



15.8248, 11.3487, 0.0000



1.6299, 11.3487, 25.9863

Complementary

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



25.4394, 11.3487, 80.9705



35.6507, 63.3351, 10.3459

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.



1.6892, 11.3487, 3.5413



25.4394, 11.3487, 80.9705



7.5409, 11.3487, 0.0000

Square

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



25.4394, 11.3487, 80.9705



26.4516, 11.3487, 0.0000



3.2284, 11.3487, 0.0000



2.9826, 11.3487, 75.4465

Rectangle

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



25.4394, 11.3487, 80.9705



34.9536, 11.3487, 9.8109



3.2284, 11.3487, 0.0000



1.5184, 11.3487, 15.3090

Sweetspot

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



25.4402, 11.3490, 80.9708



64.3169, 54.8530, 101.8056



20.1066, 15.7554, 82.1024



13.0277, 10.7042, 21.6294



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.



25.4402, 11.3490, 80.9708



29.9634, 13.3616, 95.6075



48.0031, 23.2357, 70.5016



15.0589, 14.9756, 19.0191



14.0426, 6.2751, 44.2141



1.2123, 0.5493, 3.4770

Inverse Universe

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



37.2740, 18.9441, 14.0030



43.9824, 22.3570, 16.3713



30.3763, 60.6054, 10.5794



15.3319, 15.1606, 17.0329



20.4128, 10.3678, 7.9749



1.6501, 0.8330, 0.8750

Previews

White Background



This preview shows how the XYZ color 25.4394, 11.3487, 80.9705 looks on a white background.

Color Contrast Check

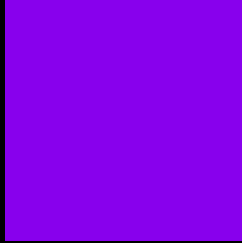
Large Text (above 18pt) WCAG AA ✓ Pass

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 25.4394, 11.3487, 80.9705 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

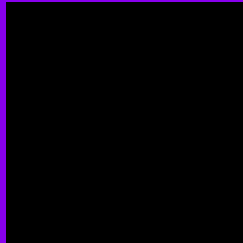
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 25.4394, 11.3487, 80.9705

Background



This preview shows how black text looks on a background with the XYZ color 25.4394, 11.3487, 80.9705.



This preview shows how white text looks on a background with the XYZ color 25.4394, 11.3487,

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

25.4394, 11.3487, 80.9705

Protanopia

13.7647, 11.7688, 53.1759

Deuteranopia

11.5297, 11.7508, 38.7062



Tritanopia

11.9531, 11.5776, 13.6613

Trichromacy



Original Color

25.4394, 11.3487, 80.9705



Protanomaly

14.4634, 8.4340, 61.8384



Deuteranomaly

12.6698, 8.0582, 51.3397



Tritanomaly

14.2714, 9.0429, 29.8474

Monochromacy



Original Color

25.4394, 11.3487, 80.9705



Achromatopsia

5.4944, 5.7805, 6.2950



Achromatomaly

9.3405, 5.6399, 21.3652

CSS Examples

Text

The CSS property to change the color of the text to XYZ 25.4394, 11.3487, 80.9705 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(136, 0, 237)` looks like.

```
.text, #text, p{  
    color:rgb(136, 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(136, 0, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 0, 237) }
```

Border

The CSS property to change the border of an element to XYZ 25.4394, 11.3487, 80.9705 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(136, 0, 237) }
```


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

```
.border{ border-color:rgb(136, 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(136, 0, 237) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(136, 0, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(136, 0, 237);  
box-shadow:4px 4px 4px 4px rgb(136, 0,  
237) }
```

Background

The CSS property to change the background color of an element to XYZ 25.4394, 11.3487, 80.9705 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 0, 237) }
```

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

```
.background{ background-color: rgb(136, 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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