

Converting Colors

XYZ(24.9861, 11.1552, 79.1309)

Have a look what the booklet for
XYZ(24.9861, 11.1552, 79.1309)
contains.

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Color

**XYZ(24.9871, 11.1491,
79.4323)**

Conversions

Conversions Part 1

Format	Color
Hex	8700EB
RGB	135, 0, 235
RGB Percent	53%, 0%, 92%
CMY	0.4706, 1.0000, 0.0784
CMYK	0.43, 1.00, 0.00, 0.08
HSL	274°, 100%, 46%
HSV	274°, 100%, 92%
XYZ	24.9871, 11.1491, 79.4323
YIQ	67.1550, 5.0250, 101.7050

Conversions

Conversions Part 2

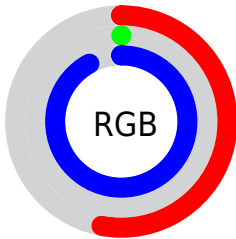
Format	Color
R_{YB}	135, 0, 235
Decimal	8847595
CIE _{Lab}	39.83, 79.66, -83.78
CIE _{LCh}	40, 115.606, 313.553
Yxy	11.1491, 0.2162, 0.0965
Android (android.graphics.Color)	4287037675 (0xFF8700EB)
YUV	67.1550, 82.7476, 59.5001
Hunter-Lab	33.3903, 75.1448, -117.6721

Details

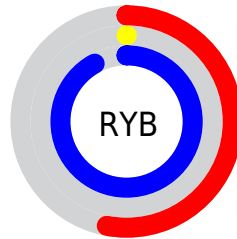
The XYZ color **24.9871, 11.1491, 79.4323** is a dark color, and the websafe version is hex **9900FF**. The color can be described as dark washed purple. A complement of this color would be **34.9635, 62.1260, 10.1487**, and the grayscale version is **5.2331, 5.5056, 5.9956**.

A 20% lighter version of the original color is **44.0933, 25.1249, 97.1334**, and **10.5617, 4.5164, 42.4346** is the 20% darker color. If you saturate the color by 10%, you get **24.9878, 11.1494, 79.4326**, and if you desaturate by 10%, it is **26.9896, 12.6511, 79.6170**.

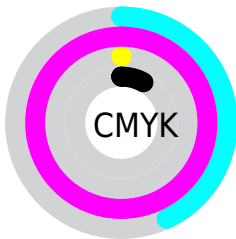
Distribution



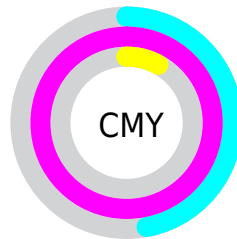
- Red (53%)
- Green (0%)
- Blue (92%)



- Red (53%)
- Yellow (0%)
- Blue (92%)



- Cyan (43%)
- Magenta (100%)
- Yellow (0%)
- Black (8%)




- Cyan (47%)
- Magenta (100%)
- Yellow (8%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 24.9871, 11.1491, 79.4323 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 24.9871, 11.1491, 79.4323 by changing the saturation by 10% instead.

 24.9871, 11.1491,
79.4323


 24.9871, 11.1491,
79.4323

270.1225,
198.6876, 512.6738


 16.1961, 6.1672,
58.7279


 51.0793, 27.9355,
134.3715


 9.7548, 2.9470,
41.9755


 69.1113, 40.5089,
169.4433


 5.2977, 1.1041,
28.7567


 90.9543, 56.3815,
210.1413

 2.4595, 0.0000,
18.6529

 116.9737, 75.9378,
256.8841

 0.8749, 0.0000,
11.2454

 147.5349, 99.5622,
310.0903

 0.0000, 0.0000,
6.1159

 183.0032,

 0.0000, 0.0000,

127.6390, 370.1782

2.8458

223.7439,
160.5527, 437.5665

■ 0.0000, 0.0000,
1.0164

■ 0.0000, 0.0000,
0.0000

■ 24.9871, 11.1491,
79.4323

■ 24.9871, 11.1491,
79.4323

■ 24.9878, 11.1494,
79.4326

■ 26.9896, 12.6511,
79.6170

■ 29.5302, 15.0001,
79.9365

■ 32.7348, 18.4410,
80.4317

■ 36.6780, 23.1179,
81.1266

■ 41.4234, 29.1522,
82.0413

■ 47.0266, 36.6504,
83.1932

■ 53.5379, 45.7079,
84.5983

■ 61.0034, 56.4120,
86.2709

■ 69.4658, 68.8434,
88.2244

Harmonies

Analogous

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



14.5939, 11.1491, 123.6227



24.9871, 11.1491, 79.4323



33.0288, 11.1491, 29.2106

Triad

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



24.9871, 11.1491, 79.4323



15.5355, 11.1491, 0.0000



1.6044, 11.1491, 25.5448

Complementary

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



24.9871, 11.1491, 79.4323



34.9635, 62.1260, 10.1487

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.



1.6618, 11.1491, 3.4896



24.9871, 11.1491, 79.4323



7.4057, 11.1491, 0.0000

Square

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



24.9871, 11.1491, 79.4323



25.9656, 11.1491, 0.0000



3.1729, 11.1491, 0.0000



2.9350, 11.1491, 74.0932

Rectangle

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



24.9871, 11.1491, 79.4323



34.3159, 11.1491, 9.6255



3.1729, 11.1491, 0.0000



1.4946, 11.1491, 15.0569

Sweetspot

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



24.9878, 11.1494, 79.4326



64.3317, 54.8606, 101.8062



19.7305, 15.4682, 80.5433



13.0312, 10.7060, 21.6296



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.



24.9878, 11.1494, 79.4326



29.9921, 13.3764, 95.6089



47.0913, 22.7943, 69.1662



15.0598, 14.9761, 19.0192



14.0558, 6.2819, 44.2147



1.2133, 0.5498, 3.4770

Inverse Universe

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



36.5611, 18.5823, 13.7153



43.9738, 22.3535, 16.3260



29.7995, 59.4533, 10.3823



15.3315, 15.1604, 17.0308



20.4087, 10.3662, 7.9537



1.6498, 0.8329, 0.8732

Previews

White Background



This preview shows how the XYZ color 24.9871, 11.1491, 79.4323 looks on a white background.

Color Contrast Check

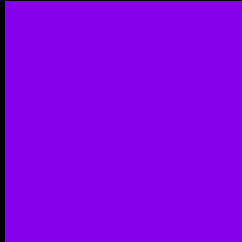
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.9871, 11.1491, 79.4323 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

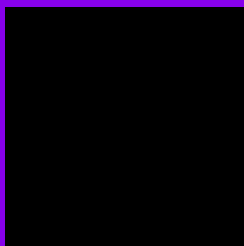
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 24.9871, 11.1491, 79.4323

Background



This preview shows how black text looks on a background with the XYZ color 24.9871, 11.1491, 79.4323.



This preview shows how white text looks on a background with the XYZ color 24.9871, 11.1491,

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

24.9871, 11.1491, 79.4323

Protanopia

13.5648, 11.5493, 52.5532

Deuteranopia

11.2506, 11.4885, 37.7009



Tritanopia

11.7882, 11.4982, 13.4024

Trichromacy



Original Color

24.9871, 11.1491, 79.4323



Protanomaly

14.3392, 8.3843, 61.1842



Deuteranomaly

12.3932, 7.8598, 50.1541



Tritanomaly

13.9795, 8.9109, 29.0001

Monochromacy



Original Color

24.9871, 11.1491, 79.4323



Achromatopsia

5.3350, 5.6128, 6.1124



Achromatomaly

9.1738, 5.5616, 21.0121

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.9871, 11.1491, 79.4323 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(135, 0, 235)` looks like.

```
.text, #text, p{  
  color:rgb(135, 0, 235)  
}
```

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(135, 0, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 0, 235) }
```

Border

The CSS property to change the border of an element to XYZ 24.9871, 11.1491, 79.4323 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(135, 0, 235) }
```


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

```
.border{ border-color:rgb(135, 0, 235) }
```

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

Here you see how a box with a 4 pixel rgb(135, 0, 235) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 0, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 0, 235);  
box-shadow:4px 4px 4px 4px rgb(135, 0,  
235) }
```

Background

The CSS property to change the background color of an element to XYZ 24.9871, 11.1491, 79.4323 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 0, 235) }
```

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

```
.background{ background-color: rgb(135, 0,  
235) }
```

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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