

Converting Colors

XYZ(25.0629, 11.1948, 79.1345)

Have a look what the booklet for
XYZ(25.0629, 11.1948, 79.1345)
contains.

XYZ(25.1487, 11.2324, 79.4398)	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(25.1487, 11.2324,
79.4398)**

Conversions

Conversions Part 1

Format	Color
Hex	8800EB
RGB	136, 0, 235
RGB Percent	53%, 0%, 92%
CMY	0.4667, 1.0000, 0.0784
CMYK	0.42, 1.00, 0.00, 0.08
HSL	275°, 100%, 46%
HSV	275°, 100%, 92%
XYZ	25.1487, 11.2324, 79.4398
YIQ	67.4540, 5.6210, 101.9170

Conversions

Conversions Part 2

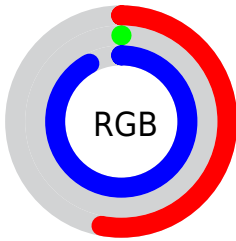
Format	Color
RYB	136, 0, 235
Decimal	8913131
CIELab	39.97, 79.75, -83.55
CIELCh	40, 115.499, 313.666
Yxy	11.2324, 0.2171, 0.0970
Android (android.graphics.Color)	4287103211 (0xFF8800EB)
YUV	67.4540, 82.6002, 60.1148
Hunter-Lab	33.5148, 75.2914, -117.0743

Details

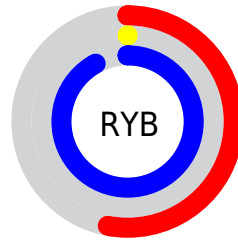
The XYZ color **25.1487, 11.2324, 79.4398** is a dark color, and the websafe version is hex **9900FF**. The color can be described as dark washed purple. A complement of this color would be **34.8536, 62.0693, 10.1436**, and the grayscale version is **5.2801, 5.5550, 6.0494**.

A 20% lighter version of the original color is **44.3560, 25.2604, 97.1457**, and **10.6344, 4.5539, 42.4380** is the 20% darker color. If you saturate the color by 10%, you get **25.1495, 11.2328, 79.4401**, and if you desaturate by 10%, it is **27.1488, 12.7332, 79.6244**.

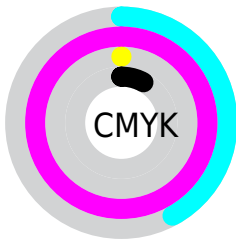
Distribution



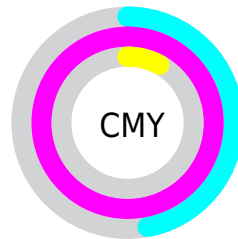
- Red (53%)
- Green (0%)
- Blue (92%)



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



- Cyan (42%)
- Magenta (100%)
- Yellow (0%)
- Black (8%)



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 25.1487, 11.2324, 79.4398 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 25.1487, 11.2324, 79.4398 by changing the saturation by 10% instead.

■ 25.1487, 11.2324,
79.4398

■ 25.1487, 11.2324,
79.4398

270.9117,
199.2551, 512.6998

■ 16.3172, 6.2234,
58.7340

■ 51.3395, 28.0891,
134.3821

■ 9.8412, 2.9814,
41.9804

■ 69.4295, 40.7056,
169.4557

■ 5.3552, 1.1220,
28.7605

■ 91.3364, 56.6267,
210.1557

■ 2.4940, 0.0000,
18.6557

■ 117.4256, 76.2368,
256.9005

■ 0.8923, 0.0000,
11.2475

■ 148.0623, 99.9203,
310.1089

■ 0.0000, 0.0000,
6.1173

■ 183.6120,

■ 0.0000, 0.0000,

128.0616, 370.1991

2.8466

224.4400,
161.0450, 437.5899

■ 0.0000, 0.0000,
1.0168

■ 0.0000, 0.0000,
0.0000

■ 25.1487, 11.2324,
79.4398

■ 25.1487, 11.2324,
79.4398

■ 25.1495, 11.2328,
79.4401

■ 27.1488, 12.7332,
79.6244

■ 29.6842, 15.0795,
79.9436

■ 32.8807, 18.5162,
80.4385

■ 36.8129, 23.1875,
81.1329

■ 41.5441, 29.2145,
82.0468

■ 47.1300, 36.7037,
83.1980

■ 53.6207, 45.7505,
84.6021

■ 61.0621, 56.4423,
86.2736

■ 69.4969, 68.8594,
88.2258

Harmonies

Analogous

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



14.7240, 11.2324, 123.7695



25.1487, 11.2324, 79.4398



33.1869, 11.2324, 29.2047

Triad

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



25.1487, 11.2324, 79.4398



15.5953, 11.2324, 0.0000



1.6329, 11.2324, 25.8159

Complementary

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



25.1487, 11.2324, 79.4398



34.8536, 62.0693, 10.1436

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.



1.6864, 11.2324, 3.5705



25.1487, 11.2324, 79.4398



7.4476, 11.2324, 0.0000

Square

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



25.1487, 11.2324, 79.4398



26.0532, 11.2324, 0.0000



3.2029, 11.2324, 0.0000



2.9819, 11.2324, 74.5114

Rectangle

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



25.1487, 11.2324, 79.4398



34.4542, 11.2324, 9.6318



3.2029, 11.2324, 0.0000



1.5204, 11.2324, 15.2583

Sweetspot

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



25.1495, 11.2328, 79.4401



64.4318, 54.9122, 101.8109



19.7305, 15.4682, 80.5433



13.0550, 10.7183, 21.6307



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.



25.1495, 11.2328, 79.4401



30.1867, 13.4767, 95.6180



47.0912, 22.7943, 69.1661



15.0662, 14.9794, 19.0195



14.1456, 6.3283, 44.2189



1.2202, 0.5533, 3.4774

Inverse Universe

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



36.5130, 18.5630, 13.4620



43.9161, 22.3304, 16.0220



29.7995, 59.4533, 10.3823



15.3287, 15.1593, 17.0164



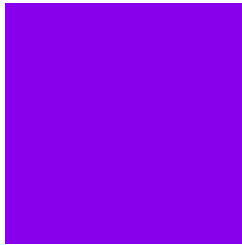
20.3817, 10.3554, 7.8112



1.6475, 0.8320, 0.8614

Previews

White Background



This preview shows how the XYZ color 25.1487, 11.2324, 79.4398 looks on a white background.

Color Contrast Check

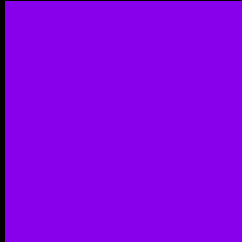
Large Text (above 18pt) WCAG AA ✓ Pass

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 25.1487, 11.2324, 79.4398 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

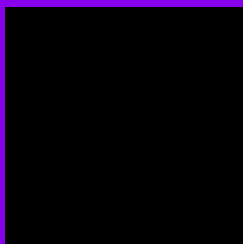
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 25.1487, 11.2324, 79.4398

Background



This preview shows how black text looks on a background with the XYZ color 25.1487, 11.2324, 79.4398.



This preview shows how white text looks on a background with the XYZ color 25.1487, 11.2324,

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

25.1487, 11.2324, 79.4398

Protanopia

13.6520, 11.7237, 52.5823

Deuteranopia

11.3427, 11.5254, 38.1860



Tritanopia

12.0231, 11.6193, 13.4134

Trichromacy



Original Color

25.1487, 11.2324, 79.4398



Protanomaly

14.3392, 8.3843, 61.1842



Deuteranomaly

12.5037, 7.9040, 50.7358



Tritanomaly

14.2454, 9.0480, 29.0126

Monochromacy



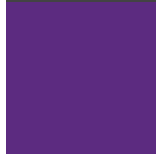
Original Color

25.1487, 11.2324, 79.4398



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 25.1487, 11.2324, 79.4398 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, 235)` looks like.

```
.text, #text, p{  
    color:rgb(136, 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(136, 0, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 0, 235) }
```

Border

The CSS property to change the border of an element to XYZ 25.1487, 11.2324, 79.4398 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, 235) }
```


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

```
.border{ border-color:rgb(136, 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(136, 0, 235) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(136, 0, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(136, 0, 235);  
box-shadow:4px 4px 4px 4px rgb(136, 0,  
235) }
```

Background

The CSS property to change the background color of an element to XYZ 25.1487, 11.2324, 79.4398 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, 235) }
```

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

```
.background{ background-color: rgb(136, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor