

Converting Colors

XYZ(25.7334, 11.4491, 83.2931)

Have a look what the booklet for
XYZ(25.7334, 11.4491, 83.2931)
contains.

XYZ(25.7198, 11.4422, 83.2910)	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(25.7198, 11.4422,
83.2910)**

Conversions

Conversions Part 1

Format	Color
Hex	8700F0
RGB	135, 0, 240
RGB Percent	53%, 0%, 94%
CMY	0.4706, 1.0000, 0.0588
CMYK	0.44, 1.00, 0.00, 0.06
HSL	274°, 100%, 47%
HSV	274°, 100%, 94%
XYZ	25.7198, 11.4422, 83.2910
YIQ	67.7250, 3.4200, 103.2600

Conversions

Conversions Part 2

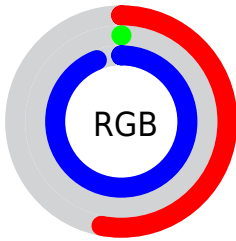
Format	Color
R_{YB}	135, 0, 240
Decimal	8847600
CIE _{Lab}	40.32, 80.67, -85.82
CIE _{LCh}	40, 117.777, 313.228
Yxy	11.4422, 0.2135, 0.0950
Android (android.graphics.Color)	4287037680 (0xFF8700F0)
YUV	67.7250, 84.9316, 59.0002
Hunter-Lab	33.8263, 76.5262, -122.3121

Details

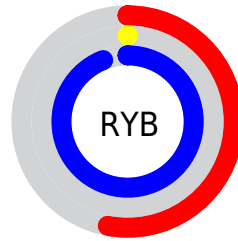
The XYZ color **25.7198, 11.4422, 83.2910** is a dark color, and the websafe version is hex **9900FF**. The color can be described as dark saturated purple. A complement of this color would be **36.9854, 65.3234, 10.6593**, and the grayscale version is **5.3194, 5.5965, 6.0945**.

A 20% lighter version of the original color is **44.1692, 25.2768, 97.1587**, and **10.8977, 4.6426, 44.5777** is the 20% darker color. If you saturate the color by 10%, you get **25.7206, 11.4425, 83.2913**, and if you desaturate by 10%, it is **27.8209, 13.0102, 83.4832**.

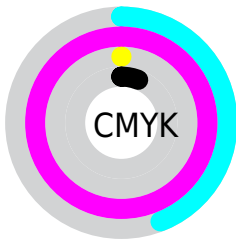
Distribution



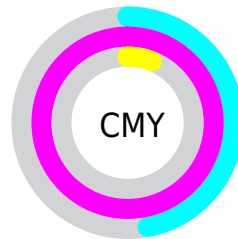
- Red (53%)
- Green (0%)
- Blue (94%)



- Red (53%)
- Yellow (0%)
- Blue (94%)



- Cyan (44%)
- Magenta (100%)
- Yellow (0%)
- Black (6%)





- Cyan (47%)
- Magenta (100%)
- Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 25.7198, 11.4422, 83.2910 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 25.7198, 11.4422, 83.2910 by changing the saturation by 10% instead.

 25.7198, 11.4422,
83.2910


 25.7198, 11.4422,
83.2910


273.6859,
200.6767, 525.9522


 16.7457, 6.3651,
61.8882


 52.2571, 28.4750,
139.8358


 10.1475, 3.0683,
44.5072

 70.5510, 41.1995,
175.8150


 5.5599, 1.1675,
30.7293


 92.6823, 57.2419,
217.4900

 2.6175, 0.0349,
20.1361

 119.0162, 76.9867,
265.2795

 0.9549, 0.0000,
12.3089

 149.9182,
100.8181, 319.6019

 0.0000, 0.0000,
6.8294

 185.7535,

 0.0000, 0.0000,

129.1207, 380.8758

3.2788

226.8877,
162.2787, 449.5197

■ 0.0000, 0.0000,
1.2387

■ 0.0000, 0.0000,
0.0107

■ 25.7198, 11.4422,
83.2910

■ 25.7198, 11.4422,
83.2910

■ 25.7206, 11.4425,
83.2913

■ 27.8209, 13.0102,
83.4832

■ 30.4961, 15.4735,
83.8177

■ 33.8771, 19.0875,
84.3371

■ 38.0432, 24.0045,
85.0666

■ 43.0613, 30.3525,
86.0274

■ 48.9907, 38.2439,
87.2380

■ 55.8845, 47.7793,
88.7152

■ 63.7917, 59.0509,
90.4741

■ 72.7573, 72.1437,
92.5287

Harmonies

Analogous

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



14.9149, 11.4422, 129.2190



25.7198, 11.4422, 83.2910



34.1640, 11.4422, 30.6550

Triad

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



25.7198, 11.4422, 83.2910



16.1130, 11.4422, 0.0000



1.5979, 11.4422, 25.9787

Complementary

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



25.7198, 11.4422, 83.2910



36.9854, 65.3234, 10.6593

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.



1.6695, 11.4422, 3.4210



25.7198, 11.4422, 83.2910



7.6404, 11.4422, 0.0000

Square

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



25.7198, 11.4422, 83.2910



26.9684, 11.4422, 0.0000



3.2372, 11.4422, 0.0000



2.9382, 11.4422, 76.4507

Rectangle

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



25.7198, 11.4422, 83.2910



35.5735, 11.4422, 10.0762



3.2372, 11.4422, 0.0000



1.4904, 11.4422, 15.1897

Sweetspot

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



25.7206, 11.4425, 83.2913



64.0513, 54.7160, 101.7931



21.0908, 17.0164, 84.6112



12.9646, 10.6717, 21.6265



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.



25.7206, 11.4425, 83.2913



29.4543, 13.0991, 95.5837



49.9389, 24.1268, 75.4239



15.7480, 15.6673, 19.9157



14.2353, 6.3440, 45.6021



1.2983, 0.5865, 3.7990

Inverse Universe

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



38.4849, 19.5452, 15.1078



44.1401, 22.4200, 17.2016



31.2265, 62.3469, 10.7362



16.0600, 15.8737, 17.8722



21.1314, 10.7250, 8.6083



1.8071, 0.9119, 0.9748

Previews

White Background



This preview shows how the XYZ color 25.7198, 11.4422, 83.2910 looks on a white background.

Color Contrast Check

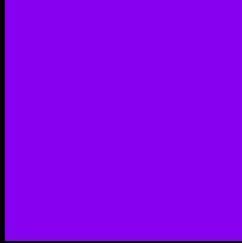
Large Text (above 18pt) WCAG AA ✓ Pass

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 25.7198, 11.4422, 83.2910 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

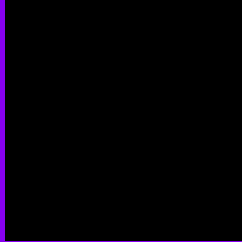
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 25.7198, 11.4422, 83.2910

Background



This preview shows how black text looks on a background with the XYZ color 25.7198, 11.4422, 83.2910.



This preview shows how white text looks on a background with the XYZ color 25.7198, 11.4422,

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

25.7198, 11.4422, 83.2910

Protanopia

13.8782, 11.8142, 53.7735

Deuteranopia

11.5297, 11.7508, 38.7062



Tritanopia

11.9452, 11.8286, 13.9655

Trichromacy



Original Color

25.7198, 11.4422, 83.2910



Protanomaly

14.7143, 8.5344, 63.1591



Deuteranomaly

12.7817, 8.1030, 51.9293



Tritanomaly

14.3536, 9.1436, 30.7141

Monochromacy



Original Color

25.7198, 11.4422, 83.2910



Achromatopsia

5.4944, 5.7805, 6.2950



Achromatomaly

9.3742, 5.6418, 22.0676

CSS Examples

Text

The CSS property to change the color of the text to XYZ 25.7198, 11.4422, 83.2910 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, 240)` looks like.

```
.text, #text, p{  
    color:rgb(135, 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(135, 0, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 0, 240) }
```

Border

The CSS property to change the border of an element to XYZ 25.7198, 11.4422, 83.2910 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, 240) }
```


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

```
.border{ border-color:rgb(135, 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(135, 0, 240) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 0, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 0, 240);  
box-shadow:4px 4px 4px 4px rgb(135, 0,  
240) }
```

Background

The CSS property to change the background color of an element to XYZ 25.7198, 11.4422, 83.2910 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, 240) }
```

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

```
.background{ background-color: rgb(135, 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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