

Converting Colors

XYZ(26.0490, 12.2231, 83.1378)

Have a look what the booklet for
XYZ(26.0490, 12.2231, 83.1378)
contains.

XYZ(26.1351, 12.2727, 83.4295)	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(26.1351, 12.2727,
83.4295)**

Conversions

Conversions Part 1

Format	Color
Hex	871CF0
RGB	135, 28, 240
RGB Percent	53%, 11%, 94%
CMY	0.4706, 0.8902, 0.0588
CMYK	0.44, 0.88, 0.00, 0.06
HSL	270°, 88%, 53%
HSV	270°, 88%, 94%
XYZ	26.1351, 12.2727, 83.4295
YIQ	84.1610, -4.2800, 88.6160

Conversions

Conversions Part 2

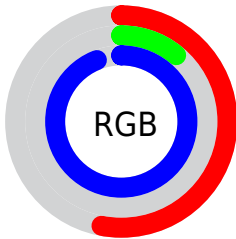
Format	Color
R_{YB}	135, 28, 240
Decimal	8854768
CIE _{Lab}	41.65, 76.66, -83.62
CIE _{LCh}	42, 113.445, 312.513
Yxy	12.2727, 0.2145, 0.1007
Android (android.graphics.Color)	4287044848 (0xFF871CF0)
YUV	84.1610, 76.8286, 44.5858
Hunter-Lab	35.0324, 71.8590, -116.6761

Details

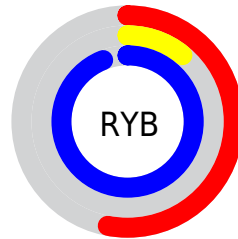
The XYZ color **26.1351, 12.2727, 83.4295** is a dark color, and the websafe version is hex **9933FF**. The color can be described as middle washed purple. A complement of this color would be **41.0419, 67.3904, 11.9431**, and the grayscale version is **8.3077, 8.7404, 9.5182**.

A 20% lighter version of the original color is **44.9031, 26.7446, 97.4033**, and **10.9693, 4.6795, 44.5811** is the 20% darker color. If you saturate the color by 10%, you get **23.9569, 10.5978, 83.2213**, and if you desaturate by 10%, it is **28.9692, 14.9401, 83.7953**.

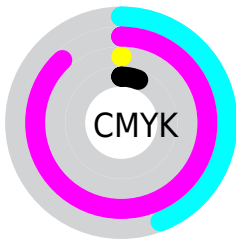
Distribution



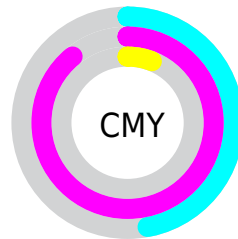
- Red (53%)
- Green (11%)
- Blue (94%)



- Red (53%)
- Yellow (11%)
- Blue (94%)



- Cyan (44%)
- Magenta (88%)
- Yellow (0%)
- Black (6%)





- Cyan (47%)
- Magenta (89%)
- Yellow (6%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 26.1351, 12.2727, 83.4295 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 26.1351, 12.2727, 83.4295 by changing the saturation by 10% instead.


 26.1351, 12.2727,
83.4295


 26.1351, 12.2727,
83.4295


275.6892,
206.2024, 526.4253


 17.0579, 6.9297,
62.0019


 52.9226, 29.9908,
140.0315


 10.3714, 3.4182,
44.5984


 71.3636, 43.1347,
176.0429


 5.7100, 1.3537,
30.8006


 93.6566, 59.6476,
217.7526

 2.7085, 0.1823,
20.1899

 120.1670, 79.9141,
265.5792

 1.0016, 0.0000,
12.3477

 151.2601,
104.3184, 319.9413

 0.0000, 0.0000,
6.8555

 187.3012,

 0.0000, 0.0000,

133.2449, 381.2572

3.2948

228.6558,
167.0781, 449.9457

■ 0.0000, 0.0000,
1.2471

■ 0.0000, 0.0000,
0.0178

■ 26.1351, 12.2727,
83.4295

■ 26.1351, 12.2727,
83.4295

■ 23.9569, 10.5978,
83.2213

■ 28.9692, 14.9401,
83.7953

■ 23.6327, 10.3662,
83.1937

■ 32.5665, 18.8082,
84.3523

■ 37.0067, 24.0256,
85.1254

■ 42.3573, 30.7185,
86.1352

■ 48.6782, 38.9979,
87.4002

■ 56.0237, 48.9640,
88.9366

■ 64.4438, 60.7084,
90.7598

■ 73.9848, 74.3160,
92.8834

■ 84.6901, 89.8662,
95.3207

Harmonies

Analogous

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



15.4801, 12.2727, 126.2988



26.1351, 12.2727, 83.4295



34.5028, 12.2727, 32.3680

Triad

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



26.1351, 12.2727, 83.4295



17.1547, 12.2727, 0.0000



1.9864, 12.2727, 25.9302

Complementary

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



26.1351, 12.2727, 83.4295



41.0419, 67.3904, 11.9431

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.



2.0987, 12.2727, 3.7898



26.1351, 12.2727, 83.4295



8.5344, 12.2727, 0.0000

Square

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



26.1351, 12.2727, 83.4295



27.8503, 12.2727, 0.0000



3.8566, 12.2727, 0.0000



3.4065, 12.2727, 74.2651

Rectangle

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



26.1351, 12.2727, 83.4295



36.0143, 12.2727, 11.4556



3.8566, 12.2727, 0.0000



1.8766, 12.2727, 15.4710

Sweetspot

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



26.1359, 12.2730, 83.4298



65.4293, 57.7577, 102.3076



24.7322, 23.5883, 85.6879



13.3461, 11.4573, 21.7580



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.



26.1359, 12.2730, 83.4298



27.0591, 11.8643, 95.4716



52.0788, 25.6471, 84.6439



15.6577, 15.6208, 19.9115



13.0907, 5.7539, 45.5485



1.2038, 0.5379, 3.7946

Inverse Universe

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



40.5838, 21.0491, 24.1123



45.0247, 22.7739, 21.8601



31.8487, 62.6511, 11.5128



16.0992, 15.8894, 18.0786



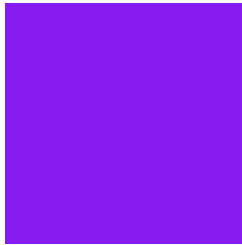
21.5568, 10.8951, 10.8485



1.8435, 0.9264, 1.1668

Previews

White Background



This preview shows how the XYZ color 26.1351, 12.2727, 83.4295 looks on a white background.

Color Contrast Check

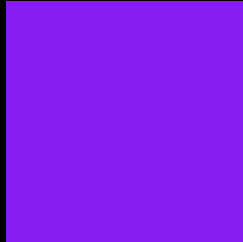
Large Text (above 18pt) WCAG AA ✓ Pass

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 26.1351, 12.2727, 83.4295 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

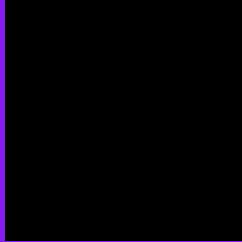
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 26.1351, 12.2727, 83.4295

Background



This preview shows how black text looks on a background with the XYZ color 26.1351, 12.2727, 83.4295.



This preview shows how white text looks on a background with the XYZ color 26.1351, 12.2727,

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

26.1351, 12.2727, 83.4295

Protanopia

14.5175, 12.3545, 56.2631

Deuteranopia

12.1001, 12.2859, 40.7634



Tritanopia

12.2751, 12.2488, 14.8140

Trichromacy



Original Color

26.1351, 12.2727, 83.4295



Protanomaly

15.7856, 10.0657, 65.4009



Deuteranomaly

13.7934, 9.5817, 53.9458



Tritanomaly

15.0732, 10.4512, 31.3598

Monochromacy



Original Color

26.1351, 12.2727, 83.4295



Achromatopsia

8.4267, 8.8656, 9.6546



Achromatomaly

12.2346, 8.4734, 26.1900

CSS Examples

Text

The CSS property to change the color of the text to XYZ 26.1351, 12.2727, 83.4295 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, 28, 240)` looks like.

```
.text, #text, p{  
    color:rgb(135, 28, 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, 28, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 28, 240) }
```

Border

The CSS property to change the border of an element to XYZ 26.1351, 12.2727, 83.4295 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, 28, 240) }
```


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

```
.border{ border-color:rgb(135, 28, 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, 28, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 28, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 28, 240);  
box-shadow:4px 4px 4px 4px rgb(135, 28,  
240) }
```

Background

The CSS property to change the background color of an element to XYZ 26.1351, 12.2727, 83.4295 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 28, 240) }
```

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

```
.background{ background-color: rgb(135, 28,  
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](#).

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