

# Converting Colors

XYZ(26.0175, 14.0130, 82.2234)

Have a look what the booklet for  
XYZ(26.0175, 14.0130, 82.2234)  
contains.

<b>XYZ(26.1017, 14.0719, 82.2294)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(26.1017, 14.0719,  
82.2294)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	813CEE
RGB	129, 60, 238
RGB Percent	51%, 24%, 93%
CMY	0.4941, 0.7647, 0.0667
CMYK	0.46, 0.75, 0.00, 0.07
HSL	263°, 84%, 58%
HSV	263°, 75%, 93%
XYZ	26.1017, 14.0719, 82.2294
YIQ	100.9230, -16.0140, 69.9860

# Conversions

## Conversions Part 2

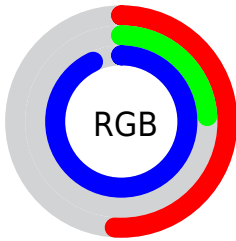
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	129, 60, 238
Decimal	8469742
CIE <sub>Lab</sub>	44.34, 64.93, -78.10
CIE <sub>LCh</sub>	44, 101.568, 309.737
Yxy	14.0719, 0.2132, 0.1150
Android (android.graphics.Color)	4286659822 (0xFF813CEE)
YUV	100.9230, 67.5790, 24.6235
Hunter-Lab	37.5125, 58.5557, -103.7080

# Details

The XYZ color **26.1017, 14.0719, 82.2294** 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 **47.7517, 69.9102, 15.2522**, and the grayscale version is **12.1849, 12.8194, 13.9603**.

A 20% lighter version of the original color is **45.3025, 30.2018, 98.0496**, and **10.5205, 4.4600, 44.0224** is the 20% darker color. If you saturate the color by 10%, you get **23.0653, 11.0533, 81.8071**, and if you desaturate by 10%, it is **30.0156, 18.3741, 82.8539**.

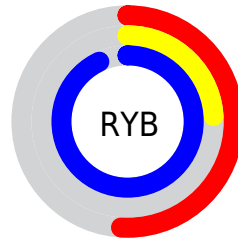
# Distribution



Red (51%)

Green (24%)

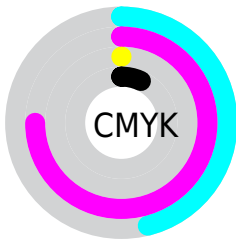
Blue (93%)



Red (51%)

Yellow (24%)

Blue (93%)

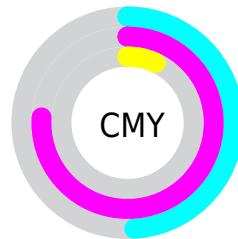


Cyan (46%)

Magenta (75%)

Yellow (0%)

Black (7%)



Cyan (49%)

Magenta (76%)


Yellow (7%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 26.1017, 14.0719, 82.2294 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 26.1017, 14.0719, 82.2294 by changing the saturation by 10% instead.




 26.1017, 14.0719,  
82.2294


 26.1017, 14.0719,  
82.2294

275.5285,  
217.6777, 522.3183

 17.0328, 8.1707,  
61.0177


 52.8691, 33.2165,  
138.3352

 10.3533, 4.2044,  
43.8088

 71.2983, 47.2288,  
174.0664


 5.6979, 1.7885,  
30.1842


 93.5784, 64.7135,  
215.4746

 2.7012, 0.4800,  
19.7252

 120.0746, 86.0550,  
262.9782

 0.9978, 0.0000,  
12.0133

 151.1524,  
111.6378, 316.9959

 0.0000, 0.0000,  
6.6301

187.1771,

 0.0000, 0.0000,

141.8463, 377.9461

3.1570

228.5140,  
177.0647, 446.2474

■ 0.0000, 0.0000,  
1.1753

■ 0.0000, 0.0000,  
0.0000

■ 26.1017, 14.0719,  
82.2294

■ 26.1017, 14.0719,  
82.2294

■ 23.0653, 11.0533,  
81.8071

■ 30.0156, 18.3741,  
82.8539

■ 20.8088, 9.1470,  
81.5581

■ 34.8836, 24.0986,  
83.7022

■ 19.8728, 8.4620,  
81.4752

■ 40.7758, 31.3664,  
84.7945

■ 47.7542, 40.2851,  
86.1482

■ 55.8756, 50.9523,  
87.7791

■ 65.1925, 63.4578,  
89.7019

■ 75.7541, 77.8852,  
91.9300

■ 87.6065, 94.3130,  
94.4762

■ 92.4327, 98.9531,  
95.1174

# Harmonies

## Analogous

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



16.2042, 14.0719, 115.7725



26.1017, 14.0719, 82.2294



34.1193, 14.0719, 36.7128

# Triad

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



26.1017, 14.0719, 82.2294



19.5692, 14.0719, 0.0000



3.1124, 14.0719, 24.2347

# Complementary

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



26.1017, 14.0719, 82.2294



47.7517, 69.9102, 15.2522

# 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.



3.4024, 14.0719, 4.4423



26.1017, 14.0719, 82.2294



10.8958, 14.0719, 0.0000

# Square

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



26.1017, 14.0719, 82.2294



29.4066, 14.0719, 0.8048



5.6502, 14.0719, 0.0000



4.5813, 14.0719, 65.6440



# Rectangle

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



26.1017, 14.0719, 82.2294



35.9618, 14.0719, 15.5287



5.6502, 14.0719, 0.0000



3.0278, 14.0719, 15.1170

# Sweetspot

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



26.1025, 14.0723, 82.2298



68.1621, 63.3378, 103.2406



31.6273, 35.7959, 86.1317



13.9849, 12.7515, 21.9741



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.



26.1025, 14.0723, 82.2298



25.4090, 11.5458, 95.4971



45.7334, 24.1924, 83.1485



15.4767, 15.5275, 19.9030



11.2212, 4.7902, 45.4610



1.0416, 0.4542, 3.7870



# Inverse Universe

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



44.0370, 24.2734, 39.8985



48.4842, 24.7312, 38.3096



34.7637, 63.2147, 14.6444



16.1795, 15.9215, 18.5016



22.6198, 11.3204, 16.4464

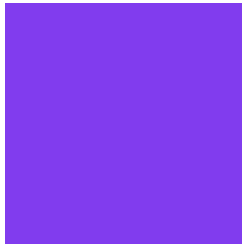


1.9303, 0.9612, 1.6239



# Previews

## White Background



This preview shows how the XYZ color 26.1017, 14.0719, 82.2294 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

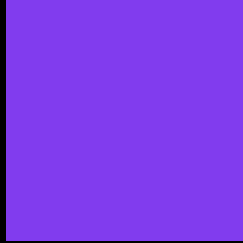
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 26.1017, 14.0719, 82.2294 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

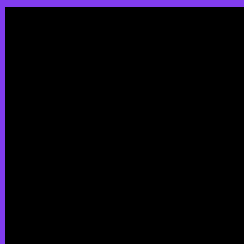
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

**XYZ 26.1017, 14.0719, 82.2294**

## **Background**



This preview shows how black text looks on a background with the XYZ color 26.1017, 14.0719, 82.2294.



This preview shows how white text looks on a background with the XYZ color 26.1017, 14.0719,



# 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

26.1017, 14.0719, 82.2294

### Protanopia

16.6639, 14.1115, 64.7963

### Deuteranopia

13.9094, 13.9761, 47.3119



## Tritanopia

13.1258, 13.9147, 17.9136

# Trichromacy



## Original Color

26.1017, 14.0719, 82.2294



## Protanomaly

17.6849, 12.5338, 70.5944



## Deuteranomaly

15.7275, 12.2763, 58.6674



## Tritanomaly

16.1371, 12.8992, 34.4402

# Monochromacy



## Original Color

26.1017, 14.0719, 82.2294



## Achromatopsia

12.3695, 13.0136, 14.1719



## Achromatomaly

15.4692, 12.2694, 30.8311

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 26.1017, 14.0719, 82.2294 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(129, 60, 238)` looks like.

```
.text, #text, p{  
    color:rgb(129, 60, 238)  
}
```

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(129, 60, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 60, 238) }
```

## Border

The CSS property to change the border of an element to XYZ 26.1017, 14.0719, 82.2294 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(129, 60, 238) }
```



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

```
.border{ border-color:rgb(129, 60, 238) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 60, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 60, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 60, 238);  
box-shadow:4px 4px 4px 4px rgb(129, 60,  
238) }
```

# Background

The CSS property to change the background color of an element to XYZ 26.1017, 14.0719, 82.2294 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 60, 238) }
```

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

```
.background{ background-color: rgb(129, 60,  
238) }
```

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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