

Converting Colors

XYZ(26.0824, 13.7070, 79.8694)

Have a look what the booklet for
XYZ(26.0824, 13.7070, 79.8694)
contains.

XYZ(26.0345, 13.7171, 79.8728)	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(26.0345, 13.7171,
79.8728)**

Conversions

Conversions Part 1

Format	Color
Hex	8537EB
RGB	133, 55, 235
RGB Percent	52%, 22%, 92%
CMY	0.4784, 0.7843, 0.0784
CMYK	0.43, 0.77, 0.00, 0.08
HSL	266°, 82%, 57%
HSV	266°, 77%, 92%
XYZ	26.0345, 13.7171, 79.8728
YIQ	98.8420, -11.2920, 72.5160

Conversions

Conversions Part 2

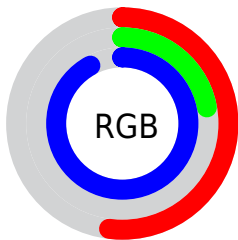
Format	Color
R _Y B	133, 55, 235
Decimal	8730603
CIE _{Lab}	43.82, 66.85, -77.23
CIE _{LCh}	44, 102.146, 310.881
Y _{xy}	13.7171, 0.2176, 0.1147
Android (android.graphics.Color)	4286920683 (0xFF8537EB)
Y _{UV}	98.8420, 67.1259, 29.9566
Hunter-Lab	37.0366, 60.6607, -101.9386

Details

The XYZ color **26.0345, 13.7171, 79.8728** 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 **44.3018, 66.8604, 14.1848**, and the grayscale version is **11.6595, 12.2667, 13.3584**.

A 20% lighter version of the original color is **45.6182, 29.7093, 97.9379**, and **10.5617, 4.5164, 42.4346** is the 20% darker color. If you saturate the color by 10%, you get **23.2012, 10.9753, 79.4932**, and if you desaturate by 10%, it is **29.6667, 17.6587, 80.4425**.

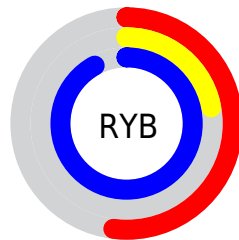
Distribution



Red (52%)

Green (22%)

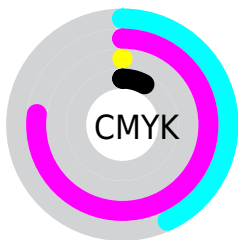
Blue (92%)



Red (52%)

Yellow (22%)

Blue (92%)

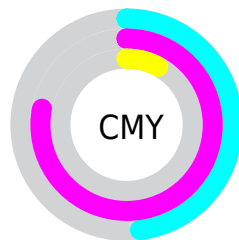


Cyan (43%)

Magenta (77%)

Yellow (0%)

Black (8%)



Cyan (48%)

Magenta (78%)

Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 26.0345, 13.7171, 79.8728 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 26.0345, 13.7171, 79.8728 by changing the saturation by 10% instead.

26.0345, 13.7171,
79.8728

26.0345, 13.7171,
79.8728

275.2050,
215.4637, 514.1995

16.9823, 7.9242,
59.0881

52.7615, 32.5862,
134.9967

10.3171, 4.0465,
42.2636

71.1670, 46.4312,
170.1729

5.6736, 1.6996,
28.9806

93.4209, 63.7290,
210.9835

2.6864, 0.4234,
18.8207

119.8887, 84.8639,
257.8469

0.9902, 0.0000,
11.3653

150.9356,
110.2205, 311.1817

0.0000, 0.0000,
6.1959

186.9271,

0.0000, 0.0000,

140.1831, 371.4063

2.8938

228.2284,
175.1360, 438.9394

■ 0.0000, 0.0000,
1.0407

■ 0.0000, 0.0000,
0.0000

■ 26.0345, 13.7171,
79.8728

■ 26.0345, 13.7171,
79.8728

■ 23.2012, 10.9753,
79.4932

■ 29.6667, 17.6587,
80.4425

■ 21.0705, 9.2589,
79.2742

■ 34.1716, 22.9372,
81.2239

■ 20.4568, 8.8136,
79.2206

■ 39.6158, 29.6713,
82.2368

■ 46.0581, 37.9660,
83.4983

■ 53.5522, 47.9163,
85.0239

■ 62.1474, 59.6095,
86.8279

■ 71.8900, 73.1266,
88.9235

■ 82.8232, 88.5433,
91.3230

■ 91.2088, 98.3726,
92.7782

Harmonies

Analogous

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



16.1867, 13.7171, 114.6246



26.0345, 13.7171, 79.8728



33.8394, 13.7171, 34.6922

Triad

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



26.0345, 13.7171, 79.8728



18.7991, 13.7171, 0.0000



2.9738, 13.7171, 24.9757

Complementary

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



26.0345, 13.7171, 79.8728



44.3018, 66.8604, 14.1848

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.



3.1941, 13.7171, 4.6067



26.0345, 13.7171, 79.8728



10.3261, 13.7171, 0.0000

Square

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



26.0345, 13.7171, 79.8728



28.6105, 13.7171, 0.6086



5.2990, 13.7171, 0.0000



4.4816, 13.7171, 66.8678

Rectangle

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



26.0345, 13.7171, 79.8728



35.4756, 13.7171, 14.2633



5.2990, 13.7171, 0.0000



2.8717, 13.7171, 15.6286

Sweetspot

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



26.0353, 13.7175, 79.8732



67.9217, 62.3507, 103.0628



28.6280, 30.9244, 83.0578



13.7693, 12.3077, 21.8998



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.



26.0353, 13.7175, 79.8732



26.3427, 11.8769, 95.5118



46.7932, 24.4186, 80.8446



14.8504, 14.8681, 19.0094



11.5253, 4.9774, 44.0963



1.0134, 0.4467, 3.4677

Inverse Universe

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



41.7127, 22.8288, 34.1042



47.2747, 24.0855, 32.4391



32.7128, 60.8861, 13.6425



15.4230, 15.1971, 17.5130



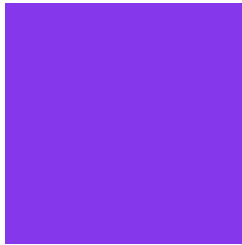
21.4954, 10.8009, 13.6763



1.7360, 0.8674, 1.3274

Previews

White Background



This preview shows how the XYZ color 26.0345, 13.7171, 79.8728 looks on a white background.

Color Contrast Check

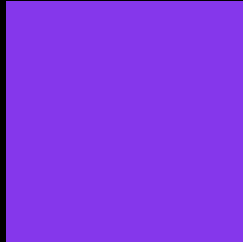
Large Text (above 18pt) WCAG AA ✓ Pass

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 26.0345, 13.7171, 79.8728 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

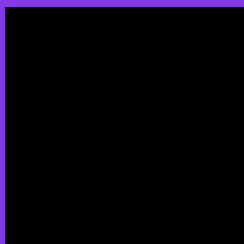
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 26.0345, 13.7171, 79.8728

Background



This preview shows how black text looks on a background with the XYZ color 26.0345, 13.7171, 79.8728.



This preview shows how white text looks on a background with the XYZ color 26.0345, 13.7171,

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

26.0345, 13.7171, 79.8728

Protanopia

16.3150, 13.8175, 63.4352

Deuteranopia

13.5975, 13.6855, 46.1809



Tritanopia

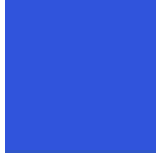
13.2748, 13.5716, 16.6718

Trichromacy



Original Color

26.0345, 13.7171, 79.8728



Protanomaly

17.3075, 12.1363, 69.1405



Deuteranomaly

15.1697, 11.6618, 56.7098



Tritanomaly

16.2351, 12.5084, 32.5690

Monochromacy



Original Color

26.0345, 13.7171, 79.8728



Achromatopsia

11.8596, 12.4772, 13.5877



Achromatomaly

14.9941, 11.7041, 29.4858

CSS Examples

Text

The CSS property to change the color of the text to XYZ 26.0345, 13.7171, 79.8728 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(133, 55, 235)` looks like.

```
.text, #text, p{  
    color:rgb(133, 55, 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(133, 55, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 55, 235) }
```

Border

The CSS property to change the border of an element to XYZ 26.0345, 13.7171, 79.8728 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(133, 55, 235) }
```


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

```
.border{ border-color:rgb(133, 55, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 55, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 55, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 55, 235);  
box-shadow:4px 4px 4px 4px rgb(133, 55,  
235) }
```

Background

The CSS property to change the background color of an element to XYZ 26.0345, 13.7171, 79.8728 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 55, 235) }
```

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

```
.background{ background-color: rgb(133, 55,  
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