

Converting Colors

XYZ(43.1413, 26.4026, 80.1671)

Have a look what the booklet for
XYZ(43.1413, 26.4026, 80.1671)
contains.

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Color

**XYZ(42.9795, 26.2685,
79.8958)**

Conversions

Conversions Part 1

Format	Color
Hex	CA5DE9
RGB	202, 93, 233
RGB Percent	79%, 36%, 91%
CMY	0.2078, 0.6353, 0.0863
CMYK	0.13, 0.60, 0.00, 0.09
HSL	287°, 76%, 64%
HSV	287°, 60%, 91%
XYZ	42.9795, 26.2685, 79.8958
YIQ	141.5510, 20.0240, 66.6480

Conversions

Conversions Part 2

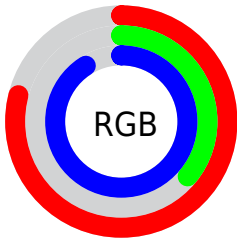
Format	Color
R _{YB}	202, 93, 233
Decimal	13262313
CIE Lab	58.29, 63.56, -52.30
CIE LCh	58, 82.311, 320.547
Yxy	26.2685, 0.2882, 0.1761
Android (android.graphics.Color)	4291452393 (0xFFCA5DE9)
YUV	141.5510, 45.0844, 53.0138
Hunter-Lab	51.2528, 59.9939, -56.5477

Details

The XYZ color **42.9795, 26.2685, 79.8958** is a light color, and the websafe version is hex **CC66FF**. The color can be described as light muted magenta. A complement of this color would be **39.4276, 63.3538, 20.5074**, and the grayscale version is **25.3577, 26.6782, 29.0526**.

A 20% lighter version of the original color is **70.0374, 49.9749, 100.5625**, and **20.0094, 10.2477, 42.5184** is the 20% darker color. If you saturate the color by 10%, you get **39.8647, 22.0758, 79.2511**, and if you desaturate by 10%, it is **46.7659, 31.7330, 80.7514**.

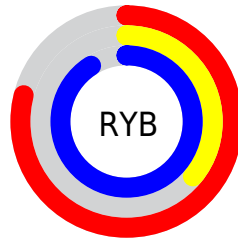
Distribution



Red (79%)

Green (36%)

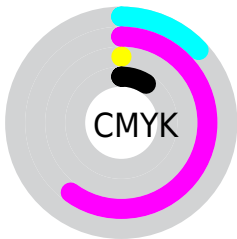
Blue (91%)



Red (79%)

Yellow (36%)

Blue (91%)

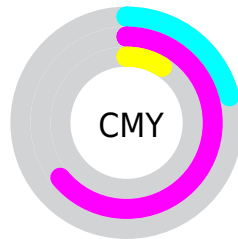


Cyan (13%)

Magenta (60%)

Yellow (0%)

Black (9%)



Cyan (21%)

Magenta (64%)

Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.9795, 26.2685, 79.8958 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 42.9795, 26.2685, 79.8958 by changing the saturation by 10% instead.


 42.9795, 26.2685,
79.8958


 42.9795, 26.2685,
79.8958


349.4504,
284.0976, 514.2791

 30.0635, 17.0246,
59.1069


 78.9358, 53.7078,
135.0293

 20.0351, 10.2520,
42.2786


 102.7069, 72.6720,
170.2110

 12.5290, 5.5664,
28.9923


 130.8269, 95.6451,
211.0275

 7.1798, 2.5833,
18.8295

 163.6614,
123.0114, 257.8971

 3.6221, 0.9183,
11.3716

201.5756,
155.1555, 311.2386

 1.4906, 0.0000,
6.2000

244.9350,

 0.3195, 0.0000,

192.4616, 371.4704

2.8963

294.1048,
235.3142, 439.0110

■ 0.0000, 0.0000,
1.0420

■ 0.0000, 0.0000,
0.0000

■ 42.9795, 26.2685,
79.8958

■ 42.9795, 26.2685,
79.8958

■ 39.8647, 22.0758,
79.2511

■ 46.7659, 31.7330,
80.7514

■ 37.3592, 19.0342,
78.7961


■ 51.2724, 38.5688,
81.8333


■ 35.3940, 17.0051,
78.5080


■ 56.5464, 46.8691,
83.1575


■ 33.8602, 15.7565,
78.3478


■ 62.6304, 56.7180,
84.7379

 69.5634, 68.1932,
86.5874

 77.3820, 81.3670,
88.7181

 85.7670, 95.6005,
91.0235

 87.5253, 96.5070,
91.1058

 89.3337, 97.4392,
91.1904

Harmonies

Analogous

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



32.3527, 26.2685, 117.5346



42.9795, 26.2685, 79.8958



49.1817, 26.2685, 38.6477

Triad

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



42.9795, 26.2685, 79.8958



28.2650, 26.2685, 1.4036



10.9301, 26.2685, 52.6474

Complementary

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



42.9795, 26.2685, 79.8958



39.4276, 63.3538, 20.5074

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.



10.3841, 26.2685, 20.4679



42.9795, 26.2685, 79.8958



18.8014, 26.2685, 1.8068

Square

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



42.9795, 26.2685, 79.8958



39.3090, 26.2685, 3.6576



12.8565, 26.2685, 5.9238



14.6225, 26.2685, 95.7977

Rectangle

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



42.9795, 26.2685, 79.8958



49.0814, 26.2685, 19.6498



12.8565, 26.2685, 5.9238



10.4197, 26.2685, 39.9283

Sweetspot

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



42.9805, 26.2696, 79.8964



78.4743, 72.2531, 104.4180



26.6415, 23.0481, 80.1357



16.2938, 14.6404, 22.2171



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.



42.9805, 26.2696, 79.8964



48.1617, 26.1259, 97.1121



47.4453, 29.1237, 55.1476



15.3696, 15.1358, 19.0337



19.3236, 8.9976, 44.4612



1.5977, 0.7479, 3.4950

Inverse Universe

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



41.1574, 26.6085, 22.0364



46.4464, 26.9886, 18.1061



37.7056, 62.2263, 31.2614



15.2020, 15.1087, 16.3491



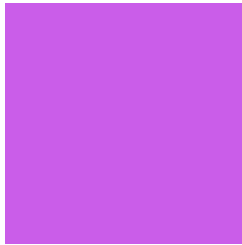
19.4523, 9.9836, 2.9172



1.5628, 0.7981, 0.4149

Previews

White Background



This preview shows how the XYZ color 42.9795, 26.2685, 79.8958 looks on a white background.

Color Contrast Check

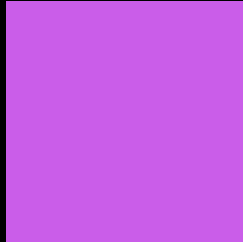
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

Black Background



This preview shows how the XYZ color 42.9795, 26.2685, 79.8958 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

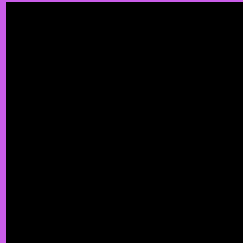
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 42.9795, 26.2685, 79.8958

Background



This preview shows how black text looks on a background with the XYZ color 42.9795, 26.2685, 79.8958.

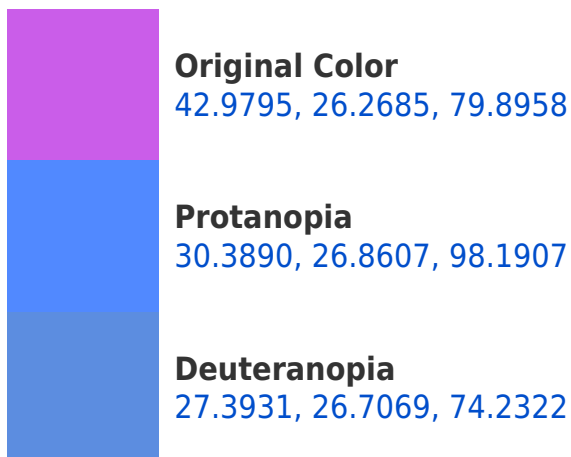


This preview shows how white text looks on a background with the XYZ color 42.9795, 26.2685,

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





Tritanopia

31.7953, 26.2491, 24.8635

Trichromacy



Original Color

42.9795, 26.2685, 79.8958



Protanomaly

32.0833, 24.7501, 91.0820



Deuteranomaly

30.5885, 24.8669, 75.8606



Tritanomaly

34.7446, 25.5335, 40.1430

Monochromacy



Original Color

42.9795, 26.2685, 79.8958



Achromatopsia

25.7108, 27.0498, 29.4572



Achromatomaly

30.2554, 25.4030, 43.8661

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.9795, 26.2685, 79.8958 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(202, 93, 233)` looks like.

```
.text, #text, p{  
    color:rgb(202, 93, 233)  
}
```

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(202, 93, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 93, 233) }
```

Border

The CSS property to change the border of an element to XYZ 42.9795, 26.2685, 79.8958 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(202, 93, 233) }
```


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

```
.border{ border-color:rgb(202, 93, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(202, 93, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 93, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 93, 233);  
box-shadow:4px 4px 4px 4px rgb(202, 93,  
233) }
```

Background

The CSS property to change the background color of an element to XYZ 42.9795, 26.2685, 79.8958 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 93, 233) }
```

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

```
.background{ background-color: rgb(202, 93,  
233) }
```

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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