

# Converting Colors

XYZ(43.1061, 26.5536, 83.2907)

Have a look what the booklet for  
XYZ(43.1061, 26.5536, 83.2907)  
contains.

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# Color

**XYZ(42.9315, 26.4410,  
82.9616)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	C75FED
RGB	199, 95, 237
RGB Percent	78%, 37%, 93%
CMY	0.2196, 0.6274, 0.0706
CMYK	0.16, 0.60, 0.00, 0.07
HSL	284°, 80%, 65%
HSV	284°, 60%, 93%
XYZ	42.9315, 26.4410, 82.9616
YIQ	142.2840, 16.4020, 66.2100

# Conversions

## Conversions Part 2

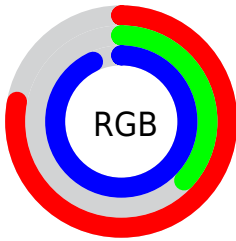
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	199, 95, 237
Decimal	13066221
CIE <sub>Lab</sub>	58.45, 62.71, -54.30
CIE <sub>LCh</sub>	58, 82.957, 319.111
Yxy	26.4410, 0.2818, 0.1736
Android (android.graphics.Color)	4291256301 (0xFFC75FED)
YUV	142.2840, 46.6950, 49.7399
Hunter-Lab	51.4208, 59.0441, -59.6631

# Details

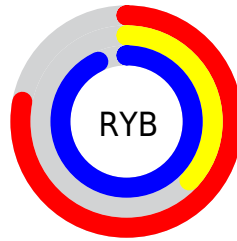
The XYZ color **42.9315, 26.4410, 82.9616** is a light color, and the websafe version is hex **CC66FF**. The color can be described as light muted magenta. A complement of this color would be **42.0233, 66.3817, 21.4256**, and the grayscale version is **25.6410, 26.9763, 29.3772**.

A 20% lighter version of the original color is **70.1963, 50.2927, 100.6154**, and **20.0551, 10.3692, 44.1245** is the 20% darker color. If you saturate the color by 10%, you get **39.4646, 21.9526, 82.2784**, and if you desaturate by 10%, it is **47.1198, 32.2660, 83.8656**.

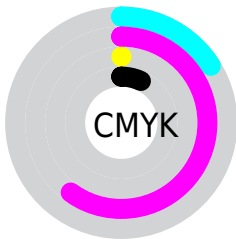
# Distribution



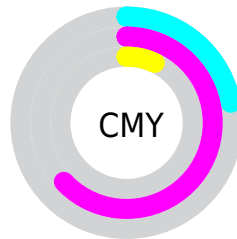
- Red (78%)
- Green (37%)
- Blue (93%)



- Red (78%)
- Yellow (37%)
- Blue (93%)



- Cyan (16%)
- Magenta (60%)
- Yellow (0%)
- Black (7%)




- Cyan (22%)
- Magenta (63%)
- Yellow (7%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 42.9315, 26.4410, 82.9616 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 42.9315, 26.4410, 82.9616 by changing the saturation by 10% instead.





 42.9315, 26.4410,  
82.9616


 42.9315, 26.4410,  
82.9616

349.2563,  
284.9403, 524.8262


 30.0257, 17.1538,  
61.6180


 78.8638, 53.9855,  
139.3704

 20.0062, 10.3442,  
44.2904


 102.6210, 73.0117,  
175.2728

 12.5079, 5.6278,  
30.5600


 130.7261, 96.0530,  
216.8652

 7.1652, 2.6201,  
20.0084

 163.5443,  
123.4938, 264.5661

 3.6129, 0.9368,  
12.2170

201.4411,  
155.7186, 318.7941

 1.4855, 0.0000,  
6.7673

244.7818,

 0.3160, 0.0000,

193.1116, 379.9678

3.2408

293.9317,  
236.0574, 448.5056

■ 0.0000, 0.0000,  
1.2188

■ 0.0000, 0.0000,  
0.0000

■ 42.9315, 26.4410,  
82.9616

■ 42.9315, 26.4410,  
82.9616

■ 39.4646, 21.9526,  
82.2784

■ 47.1198, 32.2660,  
83.8656

■ 36.6541, 18.6751,  
81.7939


■ 52.0805, 39.5315,  
85.0066


■ 34.4276, 16.4642,  
81.4845


■ 57.8634, 48.3347,  
86.4010

■ 32.6625, 15.0756,  
81.3095


■ 64.5128, 58.7633,  
88.0634


 32.6481, 15.0649,  
81.3082

 72.0699, 70.8984,  
90.0074

 80.5730, 84.8154,  
92.2455

 88.1455, 96.7599,  
94.1519

 90.3771, 97.9103,  
94.2563

 92.2861, 98.8945,  
94.3457

# Harmonies

## Analogous

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



32.0674, 26.4410, 120.2877



42.9315, 26.4410, 82.9616



49.5388, 26.4410, 40.6732

# Triad

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



42.9315, 26.4410, 82.9616



28.9957, 26.4410, 1.4045



10.8480, 26.4410, 51.2028

# Complementary

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



42.9315, 26.4410, 82.9616



42.0233, 66.3817, 21.4256

# 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.



10.4402, 26.4410, 19.4807



42.9315, 26.4410, 82.9616



19.2754, 26.4410, 1.6996

# Square

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



42.9315, 26.4410, 82.9616



40.1693, 26.4410, 3.8517



13.0896, 26.4410, 5.5297



14.4108, 26.4410, 94.9565



# Rectangle

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



42.9315, 26.4410, 82.9616



49.7041, 26.4410, 20.8250



13.0896, 26.4410, 5.5297



10.3818, 26.4410, 38.5633

# Sweetspot

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



42.9326, 26.4421, 82.9622



77.7396, 71.8744, 104.3836



28.7029, 25.9416, 83.6156



16.1129, 14.5472, 22.2086



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.



42.9326, 26.4421, 82.9622



45.7460, 24.8806, 96.9991



50.1869, 30.6574, 61.8144



15.2988, 15.0993, 19.0304



17.9556, 8.2924, 44.3972



1.5004, 0.6978, 3.4905



# Inverse Universe

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



43.2516, 27.8833, 25.2935



46.9413, 27.1865, 20.7122



38.7552, 64.5022, 30.0685



15.2310, 15.1203, 16.5017



19.6106, 10.0469, 3.7508

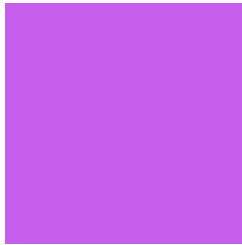


1.5788, 0.8045, 0.4994



# Previews

## White Background



This preview shows how the XYZ color 42.9315, 26.4410, 82.9616 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

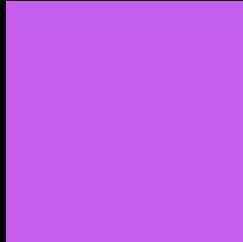
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 42.9315, 26.4410, 82.9616 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

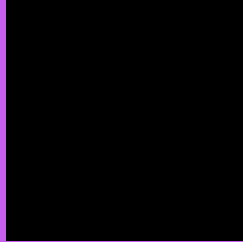
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**XYZ 42.9315, 26.4410, 82.9616**

## **Background**



This preview shows how black text looks on a background with the XYZ color 42.9315, 26.4410, 82.9616.



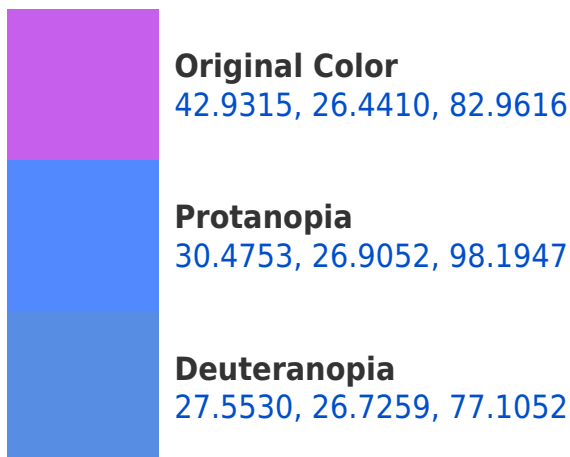
This preview shows how white text looks on a background with the XYZ color 42.9315, 26.4410,



# 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

31.2085, 26.2991, 25.6217

# Trichromacy



## Original Color

42.9315, 26.4410, 82.9616



## Protanomaly

32.3603, 25.0564, 91.9377



## Deuteranomaly

30.5335, 24.7740, 78.7739



## Tritanomaly

34.2421, 25.5693, 41.6587

# Monochromacy



## Original Color

42.9315, 26.4410, 82.9616



## Achromatopsia

25.7108, 27.0498, 29.4572



## Achromatomaly

30.3737, 25.6281, 44.9408

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 42.9315, 26.4410, 82.9616 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(199, 95, 237)` looks like.

```
.text, #text, p{  
    color:rgb(199, 95, 237)  
}
```

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(199, 95, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 95, 237) }
```

## Border

The CSS property to change the border of an element to XYZ 42.9315, 26.4410, 82.9616 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(199, 95, 237) }
```



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

```
.border{ border-color:rgb(199, 95, 237) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 95, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 95, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 95, 237);  
box-shadow:4px 4px 4px 4px rgb(199, 95,  
237) }
```

# Background

The CSS property to change the background color of an element to XYZ 42.9315, 26.4410, 82.9616 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 95, 237) }
```

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

```
.background{ background-color: rgb(199, 95,  
237) }
```

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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