

# Converting Colors

XYZ(43.8268, 33.7888, 79.8133)

Have a look what the booklet for  
XYZ(43.8268, 33.7888, 79.8133)  
contains.

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# Color

**XYZ(43.8268, 33.7888,  
79.8133)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	BC87E7
RGB	188, 135, 231
RGB Percent	74%, 53%, 91%
CMY	0.2627, 0.4706, 0.0941
CMYK	0.19, 0.42, 0.00, 0.09
HSL	273°, 67%, 72%
HSV	273°, 42%, 91%
XYZ	43.8268, 33.7888, 79.8133
YIQ	161.7910, 0.7720, 41.0920

# Conversions

## Conversions Part 2

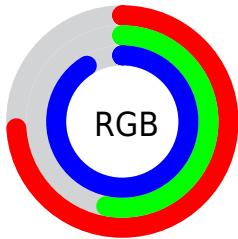
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">188, 135, 231</a>
Decimal	<a href="#">12355559</a>
CIELab	<a href="#">64.79, 38.03, -41.03</a>
CIElCh	<a href="#">65, 55.943, 312.827</a>
Yxy	<a href="#">33.7888, 0.2784, 0.2146</a>
Android (android.graphics.Color)	<a href="#">4290545639</a> ( <a href="#">0xFFBC87E7</a> )
YUV	<a href="#">161.7910, 34.1200, 22.9853</a>
Hunter-Lab	<a href="#">58.1281, 32.8592, -40.7189</a>

# Details

The XYZ color **43.8268, 33.7888, 79.8133** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **51.3101, 68.3669, 33.4148**, and the grayscale version is **34.0913, 35.8667, 39.0588**.

A 20% lighter version of the original color is **74.2536, 63.2080, 102.8945**, and **20.5811, 14.4223, 42.2565** is the 20% darker color. If you saturate the color by 10%, you get **38.4886, 26.7609, 78.7387**, and if you desaturate by 10%, it is **50.0493, 42.3119, 81.1310**.

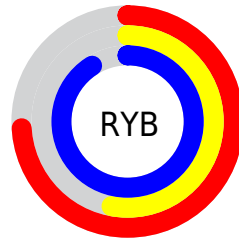
# Distribution



Red (74%)

Green (53%)

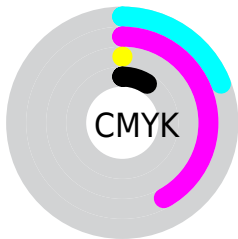
Blue (91%)



Red (74%)

Yellow (53%)

Blue (91%)

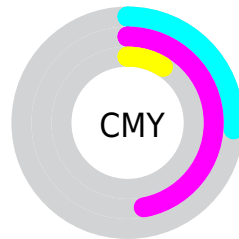


Cyan (19%)

Magenta (42%)

Yellow (0%)

Black (9%)



Cyan (26%)

Magenta (47%)


Yellow (9%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 43.8268, 33.7888, 79.8133 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 43.8268, 33.7888, 79.8133 by changing the saturation by 10% instead.




 43.8268, 33.7888,  
79.8133


 43.8268, 33.7888,  
79.8133

352.8652,  
319.1893, 513.9936


 30.7317, 22.7314,  
59.0395


 80.2050, 65.6051,  
134.9122

 20.5454, 14.3953,  
42.2247


 104.2188, 87.1328,  
170.0744

 12.9027, 8.3961,  
28.9504


 132.6029,  
112.9194, 210.8698

 7.4381, 4.3494,  
18.7980


165.7227,  
143.3492, 257.7169

 3.7863, 1.8709,  
11.3491

203.9434,  
178.8067, 311.0343

 1.5820, 0.5308,  
6.1850

247.6305,

 0.3806, 0.0000,

219.6763, 371.2405

2.8873

297.1493,  
266.3424, 438.7541

■ 0.0000, 0.0000,  
1.0374

■ 0.0000, 0.0000,  
0.0000

■ 43.8268, 33.7888,  
79.8133

■ 43.8268, 33.7888,  
79.8133

■ 38.4886, 26.7609,  
78.7387

■ 50.0493, 42.3119,  
81.1310

■ 33.9816, 21.1308,  
77.8895

■ 57.1978, 52.4112,  
82.7036

■ 30.2520, 16.7957,  
77.2493

■ 65.3154, 64.1666,  
84.5448

■ 27.2371, 13.6361,  
76.7984

■ 74.4412, 77.6511,  
86.6666

■ 24.8624, 11.5093,  
76.5130

■ 84.6121, 92.9336,  
89.0803

■ 23.2558, 10.3226,  
76.3686

■ 89.6381, 97.6290,  
89.7217

■ 91.4239, 98.5496,  
89.8053

# Harmonies

## Analogous

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



35.6751, 33.7888, 99.1408



43.8268, 33.7888, 79.8133



49.2876, 33.7888, 51.4909

# Triad

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



43.8268, 33.7888, 79.8133



36.9052, 33.7888, 8.6125



19.2649, 33.7888, 47.5337

# Complementary

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



43.8268, 33.7888, 79.8133



51.3101, 68.3669, 33.4148

# 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.



19.4818, 33.7888, 25.1934



43.8268, 33.7888, 79.8133



28.8004, 33.7888, 8.2862

# Square

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



43.8268, 33.7888, 79.8133



44.8560, 33.7888, 14.1364



22.7014, 33.7888, 12.9169



22.0491, 33.7888, 75.8955



# Rectangle

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



43.8268, 33.7888, 79.8133



50.1860, 33.7888, 34.6474



22.7014, 33.7888, 12.9169



19.0047, 33.7888, 39.0197

# Sweetspot

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



43.8280, 33.7902, 79.8141



81.1893, 79.4991, 105.6735



40.3768, 42.8421, 81.7432



17.0789, 16.5796, 22.5500



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.



43.8280, 33.7902, 79.8141



48.9641, 34.5192, 98.6899



55.3748, 39.8200, 76.8636



14.3398, 14.2774, 18.1444



13.1825, 5.8617, 42.8198



1.0807, 0.4881, 3.1692



# Inverse Universe

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



49.6558, 37.5324, 46.7478



57.6098, 40.0545, 50.3777



43.2875, 64.1911, 34.8436



14.6440, 14.4748, 16.3255



19.9213, 10.1027, 8.4803

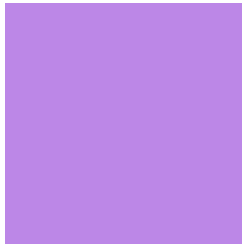


1.5183, 0.7650, 0.8701



# Previews

## White Background



This preview shows how the XYZ color 43.8268, 33.7888, 79.8133 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

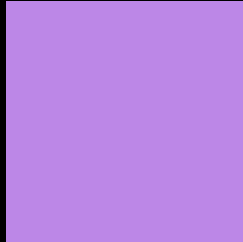
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 43.8268, 33.7888, 79.8133 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 ✓ Pass

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

**XYZ 43.8268, 33.7888, 79.8133**

## **Background**



This preview shows how black text looks on a background with the XYZ color 43.8268, 33.7888, 79.8133.



This preview shows how white text looks on a background with the XYZ color 43.8268, 33.7888,



# 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

43.8268, 33.7888, 79.8133

### Protanopia

36.5125, 34.0376, 92.6412

### Deuteranopia

34.9595, 34.0688, 77.4064



## Tritanopia

35.5594, 33.7684, 38.8262

# Trichromacy



## Original Color

43.8268, 33.7888, 79.8133

## Protanomaly

38.3435, 33.4214, 87.6491

## Deuteranomaly

37.3560, 33.3606, 77.8691

## Tritanomaly

38.1511, 33.6624, 51.5004

# Monochromacy



## Original Color

43.8268, 33.7888, 79.8133

## Achromatopsia

34.3422, 36.1307, 39.3463

## Achromatomaly

36.9925, 34.7023, 51.7622

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 43.8268, 33.7888, 79.8133 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(188, 135, 231)` looks like.

```
.text, #text, p{  
    color:rgb(188, 135, 231)  
}
```

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(188, 135, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 135, 231) }
```

## Border

The CSS property to change the border of an element to XYZ 43.8268, 33.7888, 79.8133 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(188, 135, 231) }
```



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

```
.border{ border-color:rgb(188, 135, 231) }
```

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

Here you see how a box with a 4 pixel rgb(188, 135, 231) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 135, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 135, 231);  
box-shadow:4px 4px 4px 4px rgb(188, 135,  
231) }
```

# Background

The CSS property to change the background color of an element to XYZ 43.8268, 33.7888, 79.8133 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 135, 231) }
```

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

```
.background{ background-color: rgb(188,  
135, 231) }
```

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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