

Converting Colors

XYZ(68.9559, 45.5999,
126.0413)

Have a look what the booklet for
XYZ(68.9559, 45.5999, 126.0413)
contains.

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Color

**XYZ(63.8833, 43.5033,
99.6377)**

Conversions

Conversions Part 1

Format	Color
Hex	F486FF
RGB	244, 134, 255
RGB Percent	96%, 53%, 100%
CMY	0.0431, 0.4745, 0.0000
CMYK	0.04, 0.47, 0.00, 0.00
HSL	295°, 100%, 76%
HSV	295°, 47%, 100%
XYZ	63.8833, 43.5033, 99.6377
YIQ	180.6840, 26.7190, 60.9510

Conversions

Conversions Part 2

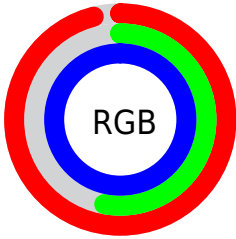
Format	Color
R _{YB}	244, 134, 255
Decimal	16025343
CIE Lab	71.90, 59.12, -42.63
CIE LCh	72, 72.885, 324.207
Yxy	43.5033, 0.3086, 0.2101
Android (android.graphics.Color)	4294215423 (0xFFFF486FF)
YUV	180.6840, 36.6378, 55.5281
Hunter-Lab	65.9570, 57.4630, -43.3963

Details

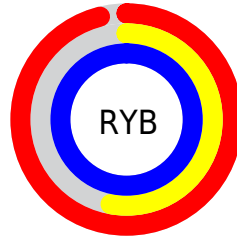
The XYZ color **63.8833, 43.5033, 99.6377** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **51.7412, 79.2615, 35.1283**, and the grayscale version is **43.5505, 45.8185, 49.8963**.

A 20% lighter version of the original color is **77.7035, 65.3069, 103.1178**, and **32.9966, 19.9835, 55.5442** is the 20% darker color. If you saturate the color by 10%, you get **59.9756, 36.8734, 98.5640**, and if you desaturate by 10%, it is **68.6535, 51.8412, 100.9957**.

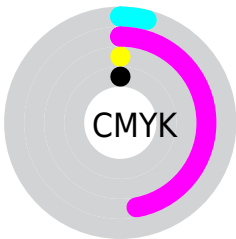
Distribution



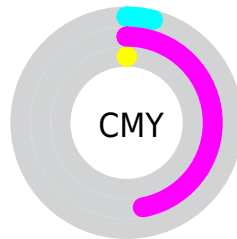
- Red (96%)
- Green (53%)
- Blue (100%)



- Red (96%)
- Yellow (53%)
- Blue (100%)



- Cyan (4%)
- Magenta (47%)
- Yellow (0%)
- Black (0%)





- Cyan (4%)
- Magenta (47%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 63.8833, 43.5033, 99.6377 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 63.8833, 43.5033, 99.6377 by changing the saturation by 10% instead.


 63.8833, 43.5033,
99.6377


 63.8833, 43.5033,
99.6377


428.3770,
360.6775, 580.2672


 46.8175, 30.2802,
75.3828


 109.5175, 80.4698,
162.7067

 33.0987, 20.0514,
55.4229


 138.8167,
104.9820, 202.3580

 22.3617, 12.4324,
39.3396

 172.9243,
134.0261, 247.9784

 14.2410, 7.0389,
26.7141

212.2057,
167.9863, 299.9865

 8.3713, 3.4864,
17.1281

257.0264,
207.2472, 358.8010

 4.3872, 1.3906,
10.1629

307.7515,

 1.9235, 0.2098,

252.1931, 424.8402

5.4001

364.7466,
303.2084, 498.5228

■ 0.5904, 0.0000,
2.4211

■ 0.0000, 0.0000,
0.7979

■ 63.8833, 43.5033,
99.6377

■ 63.8833, 43.5033,
99.6377

■ 59.9756, 36.8734,
98.5640

■ 68.6535, 51.8412,
100.9957

■ 56.8640, 31.8218,
97.7529

■ 74.3380, 61.9935,
102.6556

■ 54.4793, 28.2093,
97.1813

■ 80.9893, 74.0642,
104.6350

■ 52.7386, 25.8696,
96.8214

■ 88.6547, 88.1481,
106.9494

■ 51.5333, 24.5861,
96.6372

95.0500, 100.0000,
108.9000

■ 51.2706, 24.3458,
96.6047

Harmonies

Analogous

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



51.9259, 43.5033, 141.0455



63.8833, 43.5033, 99.6377



69.9249, 43.5033, 54.6063

Triad

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



63.8833, 43.5033, 99.6377



43.8044, 43.5033, 6.7182



23.1786, 43.5033, 81.2813

Complementary

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



63.8833, 43.5033, 99.6377



51.7412, 79.2615, 35.1283

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.



21.8607, 43.5033, 40.7988



63.8833, 43.5033, 99.6377



32.3151, 43.5033, 8.3783

Square

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



63.8833, 43.5033, 99.6377



56.9350, 43.5033, 10.7453



24.8551, 43.5033, 17.5851



28.9030, 43.5033, 127.2440

Rectangle

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



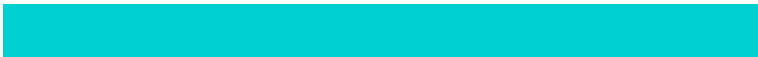
63.8833, 43.5033, 99.6377



69.0654, 43.5033, 32.4961



24.8551, 43.5033, 17.5851



22.2606, 43.5033, 66.1992

Sweetspot

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



63.8847, 43.5052, 99.6380



83.5160, 78.6894, 105.3946



38.1775, 32.8790, 98.9418



17.5345, 16.2174, 22.4560



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.



63.8847, 43.5052, 99.6380



60.1334, 37.1362, 98.6064



60.9798, 42.7973, 63.8236



18.6203, 18.2115, 22.7837



26.8571, 12.7558, 50.4812



2.6606, 1.2655, 4.9173

Inverse Universe

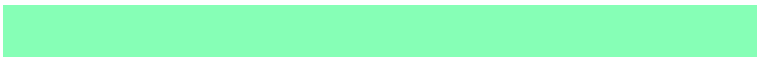
The Inverse Universe completely reimagines the original color for something new.



54.8770, 40.3562, 31.6868



50.3448, 33.7631, 22.5571



54.0777, 79.9829, 57.0629



18.0764, 18.0139, 19.0195



21.6530, 11.1505, 1.5572



2.1299, 1.0943, 0.2654

Previews

White Background



This preview shows how the XYZ color 63.8833, 43.5033, 99.6377 looks on a white background.

Color Contrast Check

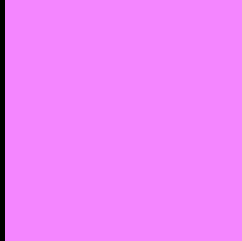
Large Text (above 18pt) WCAG AA × Fail

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 63.8833, 43.5033, 99.6377 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

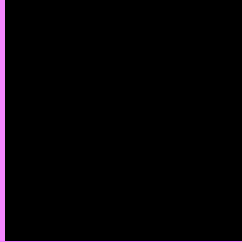
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 63.8833, 43.5033, 99.6377

Background



This preview shows how black text looks on a background with the XYZ color 63.8833, 43.5033, 99.6377.



This preview shows how white text looks on a background with the XYZ color 63.8833, 43.5033,

99.6377.

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

63.8833, 43.5033, 99.6377

Protanopia

45.5805, 43.8817, 100.6754

Deuteranopia

45.2221, 44.1127, 94.9381



Tritanopia

51.8830, 43.3517, 41.7096

Trichromacy



Original Color

63.8833, 43.5033, 99.6377



Protanomaly

50.2153, 42.2066, 100.1078



Deuteranomaly

49.9910, 42.4209, 96.8200

Tritanomaly

55.2188, 42.7775, 58.7726

Monochromacy



Original Color

63.8833, 43.5033, 99.6377



Achromatopsia

43.9204, 46.2077, 50.3202



Achromatomaly

49.5625, 43.9424, 65.5440

CSS Examples

Text

The CSS property to change the color of the text to XYZ 63.8833, 43.5033, 99.6377 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(244, 134, 255)` looks like.

```
.text, #text, p{  
    color:rgb(244, 134, 255)  
}
```

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(244, 134, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(244, 134, 255) }
```

Border

The CSS property to change the border of an element to XYZ 63.8833, 43.5033, 99.6377 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(244, 134, 255) }
```


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

```
.border{ border-color:rgb(244, 134, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(244, 134, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(244, 134, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(244, 134, 255);  
box-shadow:4px 4px 4px 4px rgb(244, 134,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 63.8833, 43.5033, 99.6377 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(244, 134, 255) }
```

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

```
.background{ background-color: rgb(244,  
134, 255) }
```

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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