

Converting Colors

XYZ(53.5783, 33.3892, 44.7252)

Have a look what the booklet for
XYZ(53.5783, 33.3892, 44.7252)
contains.

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Color

**XYZ(53.5383, 33.3183,
44.6836)**

Conversions

Conversions Part 1

Format	Color
Hex	FF63B0
RGB	255, 99, 176
RGB Percent	100%, 39%, 69%
CMY	0.0000, 0.6117, 0.3098
CMYK	0.00, 0.61, 0.31, 0.00
HSL	330°, 100%, 69%
HSV	330°, 61%, 100%
XYZ	53.5383, 33.3183, 44.6836
YIQ	154.4220, 68.2590, 57.0190

Conversions

Conversions Part 2

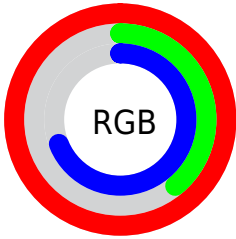
Format	Color
R_{YB}	255, 99, 176
Decimal	16737200
CIE _{Lab}	64.42, 66.30, -9.97
CIE _{LCh}	64, 67.050, 351.445
Yxy	33.3183, 0.4070, 0.2533
Android (android.graphics.Color)	4294927280 (0xFFFF63B0)
YUV	154.4220, 10.6380, 88.2069
Hunter-Lab	57.7220, 64.5488, -5.4920

Details

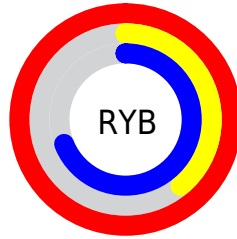
The XYZ color **53.5383, 33.3183, 44.6836** is a light color, and the websafe version is hex **FF6699**. A complement of this color would be **48.9433, 77.3878, 54.4817**, and the grayscale version is **30.8357, 32.4416, 35.3289**.

A 20% lighter version of the original color is **67.8625, 51.2001, 82.6498**, and **26.4873, 14.1266, 20.3995** is the 20% darker color. If you saturate the color by 10%, you get **50.2747, 28.7397, 37.5885**, and if you desaturate by 10%, it is **57.6877, 39.4736, 52.6743**.

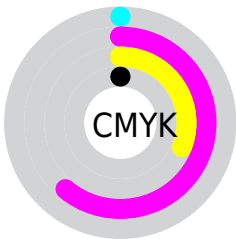
Distribution



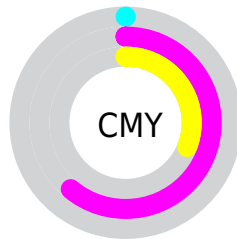
- Red (100%)
- Green (39%)
- Blue (69%)



- Red (100%)
- Yellow (39%)
- Blue (69%)



- Cyan (0%)
- Magenta (61%)
- Yellow (31%)
- Black (0%)





- Cyan (0%)
- Magenta (61%)
- Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 53.5383, 33.3183, 44.6836 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 53.5383, 33.3183, 44.6836 by changing the saturation by 10% instead.


 53.5383, 33.3183,
44.6836

 53.5383, 33.3183,
44.6836

390.5741,
317.0816, 381.6133


 38.4619, 22.3704,
30.8672


 94.5569, 64.8722,
83.5588


 26.5202, 14.1293,
20.2401


 121.2297, 86.2469,
109.4547

 17.3479, 8.2107,
12.3839


 152.4988,
111.8660, 140.2141

 10.5797, 4.2300,
6.8800

 188.7293,
142.1140, 176.2556

 5.8502, 1.8031,
3.3098

230.2868,
177.3751, 217.9977

 2.7940, 0.4891,
1.2549

277.5365,

 1.0458, 0.0000,

218.0338, 265.8590

0.0244

330.8438,
264.4745, 320.2580

■ 0.0000, 0.0000,
0.0000

■ 53.5383, 33.3183,
44.6836

■ 53.5383, 33.3183,
44.6836

■ 50.2747, 28.7397,
37.5885

■ 57.6877, 39.4736,
52.6743

■ 47.8162, 25.5822,
31.3447

■ 62.7882, 47.3317,
61.5976

■ 46.0707, 23.6670,
25.9042

■ 68.9020, 57.0116,
71.4897

■ 44.9968, 22.7627,
21.7130

■ 76.0848, 68.6199,
82.3843

■ 84.3882, 82.2553,
94.3128

93.8603, 98.0093,
107.3051

95.0500, 100.0000,
108.9000

Harmonies

Analogous

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



48.3226, 33.3183, 79.9604



53.5383, 33.3183, 44.6836



52.0371, 33.3183, 20.2373

Triad

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



53.5383, 33.3183, 44.6836



25.4131, 33.3183, 6.0323



21.5397, 33.3183, 94.9622

Complementary

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



53.5383, 33.3183, 44.6836



48.9433, 77.3878, 54.4817

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.



17.4581, 33.3183, 59.1229



53.5383, 33.3183, 44.6836



19.3612, 33.3183, 12.3689

Square

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



53.5383, 33.3183, 44.6836



34.4811, 33.3183, 5.1540



16.7499, 33.3183, 28.9987



29.0123, 33.3183, 117.1780

Rectangle

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



53.5383, 33.3183, 44.6836



47.5371, 33.3183, 11.4026



16.7499, 33.3183, 28.9987



19.7937, 33.3183, 83.4546

Sweetspot

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



53.5392, 33.3200, 44.6842



78.5957, 72.7223, 86.0557



40.6452, 25.4930, 97.3862



16.3289, 14.7586, 17.6979



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.



53.5392, 33.3200, 44.6842



49.7679, 28.0614, 36.3855



47.9553, 31.0864, 15.2794



18.3831, 18.1366, 20.6348



23.5869, 11.9241, 11.7411



2.3516, 1.1830, 1.4331

Inverse Universe

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



53.5392, 33.3200, 44.6842



49.7679, 28.0614, 36.3855



58.9566, 81.3932, 107.2109



18.3831, 18.1366, 20.6348



23.5869, 11.9241, 11.7411



2.3516, 1.1830, 1.4331

Previews

White Background



This preview shows how the XYZ color 53.5383, 33.3183, 44.6836 looks on a white background.

Color Contrast Check

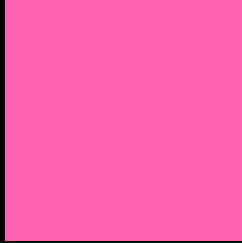
Large Text (above 18pt) WCAG AA × Fail

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 53.5383, 33.3183, 44.6836 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

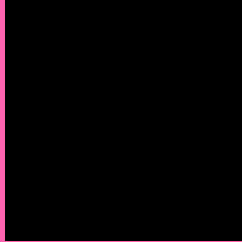
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 53.5383, 33.3183, 44.6836

Background



This preview shows how black text looks on a background with the XYZ color 53.5383, 33.3183, 44.6836.



This preview shows how white text looks on a background with the XYZ color 53.5383, 33.3183,

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

53.5383, 33.3183, 44.6836

Protanopia

34.5064, 33.7867, 68.3211

Deuteranopia

34.0220, 33.3906, 41.6977



Tritanopia

48.5483, 33.2442, 21.3108

Trichromacy



Original Color

53.5383, 33.3183, 44.6836



Protanomaly

38.1454, 31.3218, 58.6788



Deuteranomaly

39.0269, 31.7211, 42.5939



Tritanomaly

50.1362, 33.1043, 28.5582

Monochromacy



Original Color

53.5383, 33.3183, 44.6836



Achromatopsia

30.7148, 32.3143, 35.1903



Achromatomaly

36.5325, 30.7352, 38.1894

CSS Examples

Text

The CSS property to change the color of the text to XYZ 53.5383, 33.3183, 44.6836 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(255, 99, 176)` looks like.

```
.text, #text, p{  
    color:rgb(255, 99, 176)  
}
```

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(255, 99, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 99, 176) }
```

Border

The CSS property to change the border of an element to XYZ 53.5383, 33.3183, 44.6836 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(255, 99, 176) }
```


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

```
.border{ border-color:rgb(255, 99, 176) }
```

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

Here you see how a box with a 4 pixel rgb(255, 99, 176) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 99, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 99, 176);  
box-shadow:4px 4px 4px 4px rgb(255, 99,  
176) }
```

Background

The CSS property to change the background color of an element to XYZ 53.5383, 33.3183, 44.6836 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 99, 176) }
```

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

```
.background{ background-color: rgb(255, 99,  
176) }
```

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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