

Converting Colors

XYZ(52.8377, 33.5013, 39.5658)

Have a look what the booklet for
XYZ(52.8377, 33.5013, 39.5658)
contains.

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Color

**XYZ(52.8743, 33.5159,
39.7588)**

Conversions

Conversions Part 1

Format	Color
Hex	FF66A6
RGB	255, 102, 166
RGB Percent	100%, 40%, 65%
CMY	0.0000, 0.6000, 0.3490
CMYK	0.00, 0.60, 0.35, 0.00
HSL	335°, 100%, 70%
HSV	335°, 60%, 100%
XYZ	52.8743, 33.5159, 39.7588
YIQ	155.0430, 70.6440, 52.3400

Conversions

Conversions Part 2

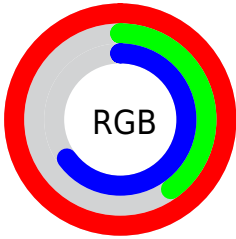
Format	Color
R_{YB}	255, 102, 166
Decimal	16737958
CIE _{Lab}	64.58, 63.91, -4.03
CIE _{LCh}	65, 64.032, 356.395
Yxy	33.5159, 0.4191, 0.2657
Android (android.graphics.Color)	4294928038 (0xFFFF66A6)
YUV	155.0430, 5.4018, 87.6623
Hunter-Lab	57.8929, 61.7136, -0.1932

Details

The XYZ color **52.8743, 33.5159, 39.7588** is a light color, and the websafe version is hex **FF6699**. A complement of this color would be **50.6453, 78.1072, 61.7018**, and the grayscale version is **31.1311, 32.7523, 35.6672**.

A 20% lighter version of the original color is **66.6893, 51.2767, 74.7891**, and **26.0442, 14.2018, 17.2881** is the 20% darker color. If you saturate the color by 10%, you get **49.4591, 28.7390, 32.2895**, and if you desaturate by 10%, it is **57.2188, 39.8999, 48.3129**.

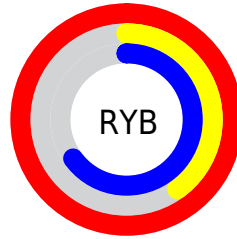
Distribution



Red (100%)

Green (40%)

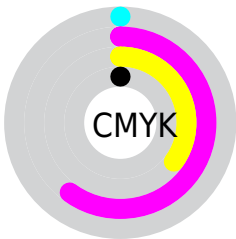
Blue (65%)



Red (100%)

Yellow (40%)

Blue (65%)

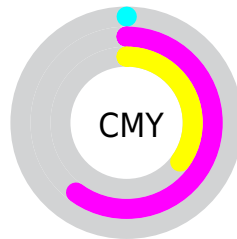


Cyan (0%)

Magenta (60%)

Yellow (35%)

Black (0%)



Cyan (0%)


Magenta (60%)


Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 52.8743, 33.5159, 39.7588 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 52.8743, 33.5159, 39.7588 by changing the saturation by 10% instead.


 52.8743, 33.5159,
39.7588

 52.8743, 33.5159,
39.7588


388.0714,
317.9680, 360.6277


 37.9295, 22.5220,
27.0382


 93.5860, 65.1801,
76.0291


 26.1049, 14.2409,
17.3692


 120.0836, 86.6192,
100.4160

 17.0353, 8.2884,
10.3333


 151.1629,
112.3088, 129.5286

 10.3551, 4.2801,
5.5120

 187.1891,
142.6333, 163.7855

 5.6991, 1.8314,
2.4868

228.5278,
177.9771, 203.6054

 2.7019, 0.5066,
0.8331

275.5441,

 0.9982, 0.0000,

218.7245, 249.4067

0.0000

328.6036,
265.2600, 301.6079

■ 0.0000, 0.0000,
0.0000

■ 52.8743, 33.5159,
39.7588

■ 52.8743, 33.5159,
39.7588

■ 49.4591, 28.7390,
32.2895

■ 57.2188, 39.8999,
48.3129

■ 46.8918, 25.4154,
25.8508

■ 62.5588, 48.0157,
57.9978

■ 45.0804, 23.3699,
20.3847

■ 68.9574, 57.9818,
68.8589

■ 43.8763, 22.3147,
15.8121

■ 76.4715, 69.9045,
80.9378

■ 43.8759, 22.3144,
15.8107

■ 85.1539, 83.8820,
94.2740

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.



48.8992, 33.5159, 72.1514



52.8743, 33.5159, 39.7588



50.3883, 33.5159, 18.3431

Triad

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



52.8743, 33.5159, 39.7588



24.6475, 33.5159, 7.3864



23.0654, 33.5159, 96.7181

Complementary

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



52.8743, 33.5159, 39.7588



50.6453, 78.1072, 61.7018

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.



18.5363, 33.5159, 63.8360



52.8743, 33.5159, 39.7588



19.3192, 33.5159, 15.0837

Square

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



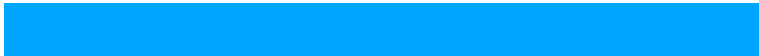
52.8743, 33.5159, 39.7588



32.9766, 33.5159, 5.7463



17.3085, 33.5159, 33.4113



30.7608, 33.5159, 113.5717

Rectangle

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



52.8743, 33.5159, 39.7588



45.6182, 33.5159, 10.7924



17.3085, 33.5159, 33.4113



21.1838, 33.5159, 86.5837

Sweetspot

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



52.8752, 33.5176, 39.7594



78.1101, 72.5281, 83.4988



43.7151, 27.5054, 97.6128



16.2110, 14.7114, 17.0769



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.



52.8752, 33.5176, 39.7594



48.8795, 27.9618, 30.9188



49.4559, 33.8538, 16.5004



18.3245, 18.1131, 20.3261



22.9966, 11.6879, 8.6323



2.2921, 1.1592, 1.1196

Inverse Universe

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



52.8752, 33.5176, 39.7594



48.8795, 27.9618, 30.9188



56.1226, 75.2295, 106.1705



18.3245, 18.1131, 20.3261



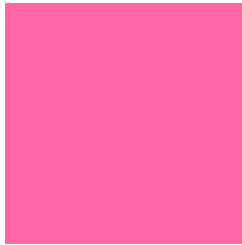
22.9966, 11.6879, 8.6323



2.2921, 1.1592, 1.1196

Previews

White Background



This preview shows how the XYZ color 52.8743, 33.5159, 39.7588 looks on a white background.

Color Contrast Check

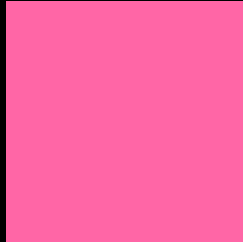
Large Text (above 18pt) WCAG AA × Fail

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 52.8743, 33.5159, 39.7588 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

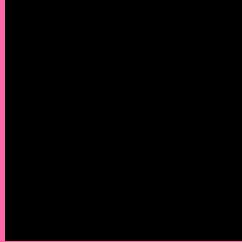
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 52.8743, 33.5159, 39.7588

Background



This preview shows how black text looks on a background with the XYZ color 52.8743, 33.5159, 39.7588.



This preview shows how white text looks on a background with the XYZ color 52.8743, 33.5159,

39.7588.

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

52.8743, 33.5159, 39.7588

Protanopia

34.0007, 33.7238, 59.3609

Deuteranopia

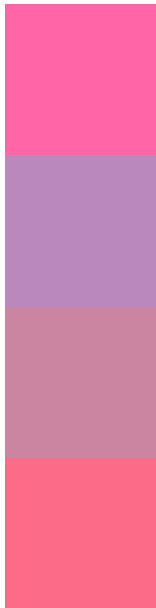
34.1944, 33.5830, 37.0277



Tritanopia

48.9076, 33.4295, 21.3276

Trichromacy



Original Color

52.8743, 33.5159, 39.7588

Protanomaly

38.1310, 31.6783, 51.6817

Deuteranomaly

39.3152, 32.1800, 37.8574

Tritanomaly

49.9514, 33.1981, 27.0677

Monochromacy



Original Color

52.8743, 33.5159, 39.7588

Achromatopsia

31.1553, 32.7778, 35.6950

Achromatomaly

36.5480, 31.1879, 36.8945

CSS Examples

Text

The CSS property to change the color of the text to XYZ 52.8743, 33.5159, 39.7588 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, 102, 166)` looks like.

```
.text, #text, p{  
    color:rgb(255, 102, 166)  
}
```

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, 102, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 102, 166) }
```

Border

The CSS property to change the border of an element to XYZ 52.8743, 33.5159, 39.7588 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, 102, 166) }
```


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

```
.border{ border-color:rgb(255, 102, 166) }
```

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

Here you see how a box with a 4 pixel rgb(255, 102, 166) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 102, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 102, 166);  
box-shadow:4px 4px 4px 4px rgb(255, 102,  
166) }
```

Background

The CSS property to change the background color of an element to XYZ 52.8743, 33.5159, 39.7588 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 102, 166) }
```

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

```
.background{ background-color: rgb(255,  
102, 166) }
```

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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