

Converting Colors

XYZ(79.0766, 46.8396, 37.1835)

Have a look what the booklet for
XYZ(79.0766, 46.8396, 37.1835)
contains.

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Color

**XYZ(51.9687, 32.8430,
35.9480)**

Conversions

Conversions Part 1

Format	Color
Hex	FF649E
RGB	255, 100, 158
RGB Percent	100%, 39%, 62%
CMY	0.0000, 0.6078, 0.3804
CMYK	0.00, 0.61, 0.38, 0.00
HSL	338°, 100%, 70%
HSV	338°, 61%, 100%
XYZ	51.9687, 32.8430, 35.9480
YIQ	152.9570, 73.7620, 50.8980

Conversions

Conversions Part 2

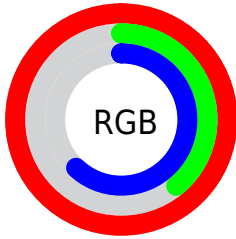
Format	Color
R_{YB}	255, 100, 158
Decimal	16737438
CIE _{Lab}	64.03, 63.88, -0.24
CIE _{LCh}	64, 63.885, 359.784
Yxy	32.8430, 0.4303, 0.2720
Android (android.graphics.Color)	4294927518 (0xFFFF649E)
YUV	152.9570, 2.4862, 89.4917
Hunter-Lab	57.3088, 61.5767, 2.9254

Details

The XYZ color **51.9687, 32.8430, 35.9480** is a light color, and the websafe version is hex **FF6699**. A complement of this color would be **51.0955, 78.2613, 65.2414**, and the grayscale version is **30.2281, 31.8023, 34.6327**.

A 20% lighter version of the original color is **65.1806, 50.1274, 68.5275**, and **25.5635, 13.8540, 15.2367** is the 20% darker color. If you saturate the color by 10%, you get **48.6085, 28.1801, 28.4849**, and if you desaturate by 10%, it is **56.2742, 39.1109, 44.6069**.

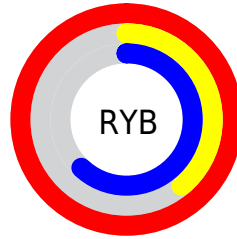
Distribution



Red (100%)

Green (39%)

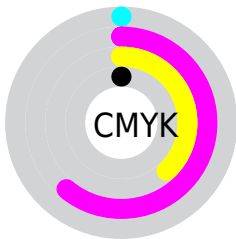
Blue (62%)



Red (100%)

Yellow (39%)

Blue (62%)

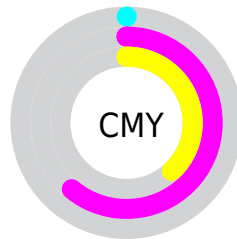


Cyan (0%)

Magenta (61%)

Yellow (38%)

Black (0%)



Cyan (0%)


Magenta (61%)


Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 51.9687, 32.8430, 35.9480 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 51.9687, 32.8430, 35.9480 by changing the saturation by 10% instead.


 51.9687, 32.8430,
35.9480


 51.9687, 32.8430,
35.9480


384.6417,
314.9417, 343.7637


 37.2043, 22.0062,
24.1047


 92.2596, 64.1303,
70.1199


 25.5401, 13.8615,
15.1984


 118.5168, 85.3497,
93.2856

 16.6108, 8.0244,
8.8106


 149.3356,
110.7986, 121.0625

 10.0510, 4.1105,
4.5227

 185.0814,
140.8616, 153.8691

 5.4953, 1.7356,
1.9163

226.1196,
175.9230, 192.1240

 2.5784, 0.4465,
0.5030

272.8154,

 0.9350, 0.0000,

216.3672, 236.2457

0.0000

325.5344,
262.5787, 286.6528

■ 0.0000, 0.0000,
0.0000

■ 51.9687, 32.8430,
35.9480

■ 51.9687, 32.8430,
35.9480

■ 48.6085, 28.1801,
28.4849

■ 56.2742, 39.1109,
44.6069

■ 46.1099, 24.9659,
22.1553

■ 61.5934, 47.1103,
54.5153

■ 44.3778, 23.0217,
16.8919

■ 67.9910, 56.9610,
65.7255

■ 43.3242, 22.0937,
12.9057

■ 75.5255, 68.7705,
78.2856

■ 84.2510, 82.6381,
92.2414

94.2181, 98.6563,
107.6363

95.0499, 100.0000,
108.9000

Harmonies

Analogous

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



48.7289, 32.8430, 67.0327



51.9687, 32.8430, 35.9480



48.8169, 32.8430, 16.3276

Triad

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



51.9687, 32.8430, 35.9480



23.3698, 32.8430, 7.6544



23.2765, 32.8430, 98.1412

Complementary

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



51.9687, 32.8430, 35.9480



51.0955, 78.2613, 65.2414

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.



18.4541, 32.8430, 66.5409



51.9687, 32.8430, 35.9480



18.5002, 32.8430, 16.1361

Square

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



51.9687, 32.8430, 35.9480



31.2817, 32.8430, 5.5387



16.8871, 32.8430, 35.5735



31.1510, 32.8430, 111.9713

Rectangle

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



51.9687, 32.8430, 35.9480



43.8062, 32.8430, 9.6615



16.8871, 32.8430, 35.5735



21.3042, 32.8430, 88.6765

Sweetspot

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



51.9696, 32.8447, 35.9486



77.8301, 72.4161, 82.0244



45.2656, 28.0165, 97.6296



16.1431, 14.6843, 16.7197



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.



51.9696, 32.8447, 35.9486



47.9826, 27.3473, 26.9845



50.0299, 35.1587, 16.2084



18.2905, 18.0995, 20.1467



22.7041, 11.5709, 7.0924



2.2615, 1.1470, 0.9583

Inverse Universe

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



51.9696, 32.8447, 35.9486



47.9826, 27.3473, 26.9845



53.5669, 70.4505, 105.3826



18.2905, 18.0995, 20.1467



22.7041, 11.5709, 7.0924



2.2615, 1.1470, 0.9583

Previews

White Background



This preview shows how the XYZ color 51.9687, 32.8430, 35.9480 looks on a white background.

Color Contrast Check

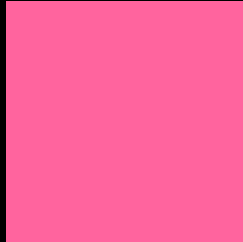
Large Text (above 18pt) WCAG AA × Fail

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 51.9687, 32.8430, 35.9480 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

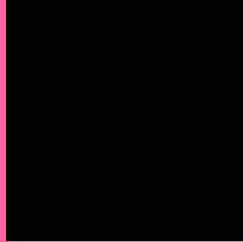
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 51.9687, 32.8430, 35.9480

Background



This preview shows how black text looks on a background with the XYZ color 51.9687, 32.8430, 35.9480.



This preview shows how white text looks on a background with the XYZ color 51.9687, 32.8430,

35.9480.

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

51.9687, 32.8430, 35.9480

Protanopia

32.9922, 33.0758, 53.9356

Deuteranopia

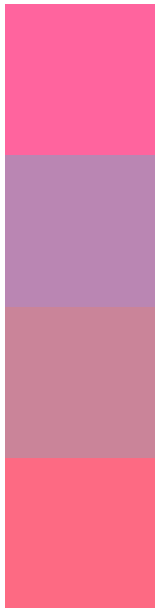
33.4246, 32.7854, 33.4207



Tritanopia

48.7659, 32.8937, 20.3019

Trichromacy



Original Color

51.9687, 32.8430, 35.9480

Protanomaly

36.9115, 30.7440, 46.6366

Deuteranomaly

38.3582, 31.3590, 34.1682

Tritanomaly

49.7588, 32.8294, 25.1869

Monochromacy



Original Color

51.9687, 32.8430, 35.9480

Achromatopsia

30.2779, 31.8547, 34.6897

Achromatomaly

35.6767, 30.3639, 34.9908

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.9687, 32.8430, 35.9480 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, 100, 158)` looks like.

```
.text, #text, p{  
    color:rgb(255, 100, 158)  
}
```

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, 100, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 100, 158) }
```

Border

The CSS property to change the border of an element to XYZ 51.9687, 32.8430, 35.9480 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, 100, 158) }
```


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

```
.border{ border-color:rgb(255, 100, 158) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 100, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 100, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 100, 158);  
box-shadow:4px 4px 4px 4px rgb(255, 100,  
158) }
```

Background

The CSS property to change the background color of an element to XYZ 51.9687, 32.8430, 35.9480 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 100, 158) }
```

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

```
.background{ background-color: rgb(255,  
100, 158) }
```

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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