

Converting Colors

XYZ(66.8105, 41.2530, 36.7972)

Have a look what the booklet for
XYZ(66.8105, 41.2530, 36.7972)
contains.

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Color

**XYZ(52.4631, 33.8318,
36.1128)**

Conversions

Conversions Part 1

Format	Color
Hex	FF699E
RGB	255, 105, 158
RGB Percent	100%, 41%, 62%
CMY	0.0000, 0.5882, 0.3804
CMYK	0.00, 0.59, 0.38, 0.00
HSL	339°, 100%, 71%
HSV	339°, 59%, 100%
XYZ	52.4631, 33.8318, 36.1128
YIQ	155.8920, 72.3870, 48.2830

Conversions

Conversions Part 2

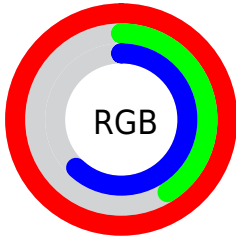
Format	Color
R_{YB}	255, 105, 158
Decimal	16738718
CIE _{Lab}	64.83, 61.75, 0.92
CIE _{LCh}	65, 61.756, 0.853
Yxy	33.8318, 0.4286, 0.2764
Android (android.graphics.Color)	4294928798 (0xFFFF699E)
YUV	155.8920, 1.0392, 86.9177
Hunter-Lab	58.1651, 59.2124, 3.9044

Details

The XYZ color **52.4631, 33.8318, 36.1128** is a light color, and the websafe version is hex **FF6699**. A complement of this color would be **52.2483, 78.7883, 68.3361**, and the grayscale version is **31.5261, 33.1679, 36.1199**.

A 20% lighter version of the original color is **66.0440, 51.8541, 68.8153**, and **25.8404, 14.4076, 15.3289** is the 20% darker color. If you saturate the color by 10%, you get **48.9185, 28.8639, 28.3916**, and if you desaturate by 10%, it is **56.9784, 40.4362, 45.0979**.

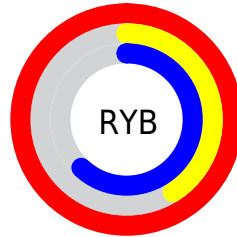
Distribution



Red (100%)

Green (41%)

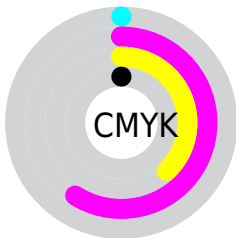
Blue (62%)



Red (100%)

Yellow (41%)

Blue (62%)

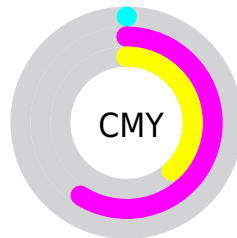


Cyan (0%)

Magenta (59%)

Yellow (38%)

Black (0%)



Cyan (0%)


Magenta (59%)

Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 52.4631, 33.8318, 36.1128 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 52.4631, 33.8318, 36.1128 by changing the saturation by 10% instead.


 52.4631, 33.8318,
36.1128

 52.4631, 33.8318,
36.1128


386.5165,
319.3814, 344.5056


 37.6001, 22.7644,
24.2309


 92.9840, 65.6720,
70.3771


 25.8483, 14.4196,
15.2912


 119.3727, 87.2136,
93.5967

 16.8422, 8.4131,
8.8752


 150.3339,
113.0155, 121.4326

 10.2167, 4.3604,
4.5641

 186.2331,
143.4619, 154.3033

 5.6062, 1.8771,
1.9397

227.4356,
178.9373, 192.6274

 2.6455, 0.5346,
0.5178

274.3068,

 0.9692, 0.0000,

219.8261, 236.8235

0.0000

327.2120,
266.5127, 287.3101

■ 0.0000, 0.0000,
0.0000

■ 52.4631, 33.8318,
36.1128

■ 52.4631, 33.8318,
36.1128

■ 48.9185, 28.8639,
28.3916

■ 56.9784, 40.4362,
45.0979

■ 46.2624, 25.3803,
21.8690

■ 62.5319, 48.8007,
55.4037

■ 44.4023, 23.2088,
16.4746

■ 69.1879, 59.0432,
67.0851

■ 43.2060, 22.0986,
12.1220

■ 77.0046, 71.2698,
80.1933

■ 43.0893, 21.9997,
11.6686

■ 86.0358, 85.5784,
94.7765

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.



49.5217, 33.8318, 66.2072



52.4631, 33.8318, 36.1128



49.1830, 33.8318, 16.9976

Triad

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



52.4631, 33.8318, 36.1128



24.1598, 33.8318, 8.7611



24.5261, 33.8318, 98.2966

Complementary

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



52.4631, 33.8318, 36.1128



52.2483, 78.7883, 68.3361

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.



19.5969, 33.8318, 68.0915



52.4631, 33.8318, 36.1128



19.4145, 33.8318, 17.7629

Square

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



52.4631, 33.8318, 36.1128



31.9022, 33.8318, 6.3627



17.9098, 33.8318, 37.5710



32.4114, 33.8318, 110.7045

Rectangle

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



52.4631, 33.8318, 36.1128



44.2043, 33.8318, 10.4150



17.9098, 33.8318, 37.5710



22.5239, 33.8318, 89.3635

Sweetspot

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



52.4640, 33.8336, 36.1134



77.6988, 72.3635, 81.3331



46.9227, 29.6048, 97.8488



16.1114, 14.6716, 16.5526



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.



52.4640, 33.8336, 36.1134



48.2667, 27.9834, 26.8698



51.1248, 36.9493, 17.8044



18.2744, 18.0931, 20.0622



22.5791, 11.5209, 6.4338



2.2480, 1.1416, 0.8876

Inverse Universe

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



52.4640, 33.8336, 36.1134



48.2667, 27.9834, 26.8698



53.5853, 69.6410, 105.2254



18.2744, 18.0931, 20.0622



22.5791, 11.5209, 6.4338



2.2480, 1.1416, 0.8876

Previews

White Background



This preview shows how the XYZ color 52.4631, 33.8318, 36.1128 looks on a white background.

Color Contrast Check

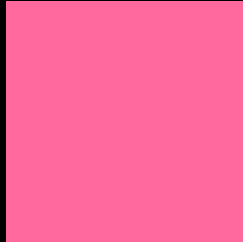
Large Text (above 18pt) WCAG AA × Fail

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 52.4631, 33.8318, 36.1128 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 52.4631, 33.8318, 36.1128

Background



This preview shows how black text looks on a background with the XYZ color 52.4631, 33.8318, 36.1128.



This preview shows how white text looks on a background with the XYZ color 52.4631, 33.8318,

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

52.4631, 33.8318, 36.1128

Protanopia

33.8363, 34.0304, 52.9293

Deuteranopia

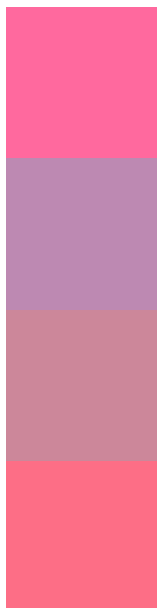
34.4933, 33.8048, 33.9851



Tritanopia

49.4402, 33.8618, 21.6995

Trichromacy



Original Color

52.4631, 33.8318, 36.1128

Protanomaly

37.9678, 31.9245, 46.2804

Deuteranomaly

39.3985, 32.4984, 34.7681

Tritanomaly

50.3870, 33.7557, 26.4141

Monochromacy



Original Color

52.4631, 33.8318, 36.1128

Achromatopsia

31.5995, 33.2452, 36.2040

Achromatomaly

36.7697, 31.5321, 36.0466

CSS Examples

Text

The CSS property to change the color of the text to XYZ 52.4631, 33.8318, 36.1128 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, 105, 158)` looks like.

```
.text, #text, p{  
    color:rgb(255, 105, 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, 105, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 105, 158) }
```

Border

The CSS property to change the border of an element to XYZ 52.4631, 33.8318, 36.1128 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, 105, 158) }
```


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

```
.border{ border-color:rgb(255, 105, 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, 105, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 105, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 105, 158);  
box-shadow:4px 4px 4px 4px rgb(255, 105,  
158) }
```

Background

The CSS property to change the background color of an element to XYZ 52.4631, 33.8318, 36.1128 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 105, 158) }
```

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

```
.background{ background-color: rgb(255,  
105, 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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