

Converting Colors

XYZ(79.8142, 46.8412, 49.9645)

Have a look what the booklet for
XYZ(79.8142, 46.8412, 49.9645)
contains.

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Color

**XYZ(54.3536, 33.6444,
48.9767)**

Conversions

Conversions Part 1

Format	Color
Hex	FF63B8
RGB	255, 99, 184
RGB Percent	100%, 39%, 72%
CMY	0.0000, 0.6117, 0.2784
CMYK	0.00, 0.61, 0.28, 0.00
HSL	327°, 100%, 69%
HSV	327°, 61%, 100%
XYZ	54.3536, 33.6444, 48.9767
YIQ	155.3340, 65.6910, 59.5070

Conversions

Conversions Part 2

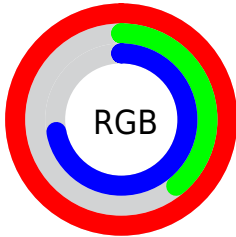
Format	Color
R _{YB}	255, 99, 184
Decimal	16737208
CIE _{Lab}	64.68, 67.26, -14.14
CIE _{LCh}	65, 68.732, 348.130
Yxy	33.6444, 0.3968, 0.2456
Android (android.graphics.Color)	4294927288 (0xFFFF63B8)
YUV	155.3340, 14.1323, 87.4071
Hunter-Lab	58.0038, 65.7603, -9.4601

Details

The XYZ color **54.3536, 33.6444, 48.9767** is a light color, and the websafe version is hex **FF66CC**. A complement of this color would be **48.1630, 77.0757, 50.3729**, and the grayscale version is **31.2240, 32.8501, 35.7738**.

A 20% lighter version of the original color is **69.0251, 51.6652, 88.7724**, and **26.9169, 14.2521, 22.8050** is the 20% darker color. If you saturate the color by 10%, you get **51.1404, 29.0859, 42.1473**, and if you desaturate by 10%, it is **58.4307, 39.7708, 56.5872**.

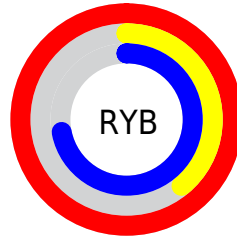
Distribution



Red (100%)

Green (39%)

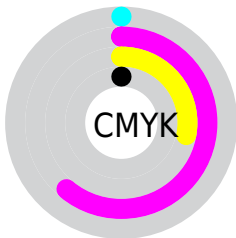
Blue (72%)



Red (100%)

Yellow (39%)

Blue (72%)

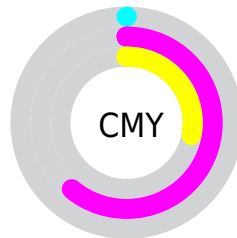


Cyan (0%)

Magenta (61%)

Yellow (28%)

Black (0%)



Cyan (0%)


Magenta (61%)


Yellow (28%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 54.3536, 33.6444, 48.9767 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 54.3536, 33.6444, 48.9767 by changing the saturation by 10% instead.


 54.3536, 33.6444,
48.9767


 54.3536, 33.6444,
48.9767

393.6333,
318.5435, 399.2704


 39.1162, 22.6206,
34.2355

 95.7471, 65.3803,
90.0375


 27.0313, 14.3136,
22.7958

 122.6339, 86.8611,
117.1942

 17.7334, 8.3391,
14.2389


 154.1346,
112.5964, 149.3264

 10.8573, 4.3127,
8.1464

 190.6145,
142.9706, 186.8528

 6.0375, 1.8500,
4.0996

232.4390,
178.3680, 230.1919

 2.9088, 0.5180,
1.6802

279.9734,

 1.1057, 0.0000,

219.1730, 279.7621

0.3471

333.5830,
265.7700, 335.9821

■ 0.0299, 0.0000,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 54.3536, 33.6444,
48.9767

■ 54.3536, 33.6444,
48.9767

■ 51.1404, 29.0859,
42.1473

■ 58.4307, 39.7708,
56.5872

■ 48.7117, 25.9404,
36.0599


■ 63.4363, 47.5909,
65.0108

■ 46.9761, 24.0292,
30.6721

■ 69.4316, 57.2233,
74.2791

■ 45.8956, 23.1222,
26.4460

■ 76.4715, 68.7745,
84.4212

 84.6068, 82.3425,
95.4642

 93.8847, 98.0189,
107.4340

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.



48.2772, 33.6444, 86.1440



54.3536, 33.6444, 48.9767



53.5940, 33.6444, 22.2008

Triad

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



54.3536, 33.6444, 48.9767



26.4334, 33.6444, 5.4668



20.9187, 33.6444, 93.7726

Complementary

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



54.3536, 33.6444, 48.9767



48.1630, 77.0757, 50.3729

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.



17.1312, 33.6444, 56.2612



54.3536, 33.6444, 48.9767



19.8348, 33.6444, 11.0281

Square

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



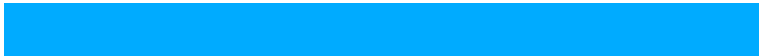
54.3536, 33.6444, 48.9767



36.0389, 33.6444, 5.0463



16.7802, 33.6444, 26.5599



28.2342, 33.6444, 119.6117

Rectangle

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



54.3536, 33.6444, 48.9767



49.3318, 33.6444, 12.2933



16.7802, 33.6444, 26.5599



19.2618, 33.6444, 81.4308

Sweetspot

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



54.3545, 33.6461, 48.9773



78.9319, 72.8568, 87.8264



38.9188, 24.6030, 97.3054



16.4108, 14.7914, 18.1293



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.



54.3545, 33.6461, 48.9773



50.6406, 28.4105, 40.9809



48.3464, 31.2428, 17.3394



18.4234, 18.1527, 20.8468



24.0578, 12.1124, 14.2207



2.3976, 1.2014, 1.6750

Inverse Universe

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



54.3545, 33.6461, 48.9773



50.6406, 28.4105, 40.9809



57.7260, 80.9009, 100.7309



18.4234, 18.1527, 20.8468



24.0578, 12.1124, 14.2207



2.3976, 1.2014, 1.6750

Previews

White Background



This preview shows how the XYZ color 54.3536, 33.6444, 48.9767 looks on a white background.

Color Contrast Check

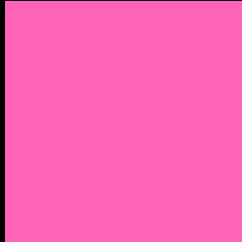
Large Text (above 18pt) WCAG AA × Fail

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 54.3536, 33.6444, 48.9767 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

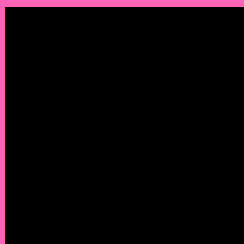
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 54.3536, 33.6444, 48.9767

Background



This preview shows how black text looks on a background with the XYZ color 54.3536, 33.6444, 48.9767.



This preview shows how white text looks on a background with the XYZ color 54.3536, 33.6444,

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

54.3536, 33.6444, 48.9767

Protanopia

35.1940, 34.0046, 74.5207

Deuteranopia

34.5375, 33.8096, 45.7799



Tritanopia

48.8928, 33.7391, 22.0245

Trichromacy



Original Color

54.3536, 33.6444, 48.9767



Protanomaly

38.7630, 31.5151, 64.3616



Deuteranomaly

39.5502, 31.9000, 46.7206



Tritanomaly

50.6476, 33.6463, 30.2105

Monochromacy



Original Color

54.3536, 33.6444, 48.9767



Achromatopsia

31.1553, 32.7778, 35.6950



Achromatomaly

37.0328, 31.1575, 40.1385

CSS Examples

Text

The CSS property to change the color of the text to XYZ 54.3536, 33.6444, 48.9767 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, 184)` looks like.

```
.text, #text, p{  
    color:rgb(255, 99, 184)  
}
```

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, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 99, 184) }
```

Border

The CSS property to change the border of an element to XYZ 54.3536, 33.6444, 48.9767 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, 184) }
```


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

```
.border{ border-color:rgb(255, 99, 184) }
```

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, 184) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 99, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 99, 184);  
box-shadow:4px 4px 4px 4px rgb(255, 99,  
184) }
```

Background

The CSS property to change the background color of an element to XYZ 54.3536, 33.6444, 48.9767 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, 184) }
```

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

```
.background{ background-color: rgb(255, 99,  
184) }
```

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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