

# Converting Colors

XYZ(52.3936, 36.5603, 44.4438)

Have a look what the booklet for  
XYZ(52.3936, 36.5603, 44.4438)  
contains.

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# Color

**XYZ(52.3791, 36.6344,  
44.3549)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F57BAE
RGB	245, 123, 174
RGB Percent	96%, 48%, 68%
CMY	0.0392, 0.5176, 0.3176
CMYK	0.00, 0.50, 0.29, 0.04
HSL	335°, 86%, 72%
HSV	335°, 50%, 96%
XYZ	52.3791, 36.6344, 44.3549
YIQ	165.2920, 56.3410, 41.7250

# Conversions

## Conversions Part 2

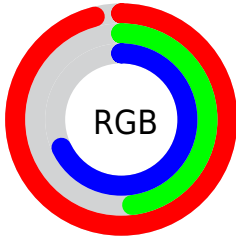
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	245, 123, 174
Decimal	16087982
CIE Lab	67.00, 52.16, -5.15
CIE LCh	67, 52.418, 354.358
Yxy	36.6344, 0.3927, 0.2747
Android (android.graphics.Color)	4294278062 (0xFFFF57BAE)
YUV	165.2920, 4.2930, 69.9039
Hunter-Lab	60.5264, 48.5516, -1.0804

# Details

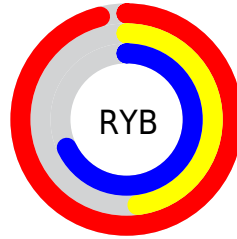
The XYZ color **52.3791, 36.6344, 44.3549** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **50.5602, 73.4117, 62.5478**, and the grayscale version is **35.8666, 37.7344, 41.0928**.

A 20% lighter version of the original color is **71.5030, 59.1573, 81.7786**, and **25.8907, 16.1005, 20.1555** is the 20% darker color. If you saturate the color by 10%, you get **48.3941, 30.7721, 36.5284**, and if you desaturate by 10%, it is **57.2741, 44.0801, 53.2135**.

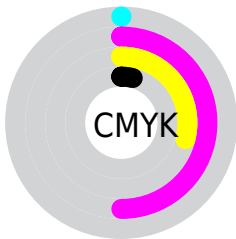
# Distribution



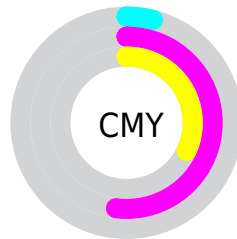
- Red (96%)
- Green (48%)
- Blue (68%)



- Red (96%)
- Yellow (48%)
- Blue (68%)



- Cyan (0%)
- Magenta (50%)
- Yellow (29%)
- Black (4%)




- Cyan (4%)
- Magenta (52%)
- Yellow (32%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 52.3791, 36.6344, 44.3549 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 52.3791, 36.6344, 44.3549 by changing the saturation by 10% instead.





 52.3791, 36.6344,  
44.3549

 52.3791, 36.6344,  
44.3549

386.1984,  
331.7250, 380.2382


 37.5328, 24.9246,  
30.6104


 92.8610, 70.0101,  
83.0597

 25.7959, 16.0209,  
20.0464


 119.2274, 92.4448,  
108.8570

 16.8029, 9.5389,  
12.2443


 150.1644,  
119.2232, 139.5090

 10.1885, 5.0943,  
6.7858

186.0376,  
150.7297, 175.4343

 5.5873, 2.3027,  
3.2521

227.2123,  
187.3488, 217.0513

 2.6341, 0.7751,  
1.2247

274.0537,

 0.9633, 0.0000,

229.4647, 264.7786

0.0000

326.9273,  
277.4620, 319.0347

■ 0.0000, 0.0000,  
0.0000

■ 52.3791, 36.6344,  
44.3549

■ 52.3791, 36.6344,  
44.3549

■ 48.3941, 30.7721,  
36.5284

■ 57.2741, 44.0801,  
53.2135

■ 45.2537, 26.3703,  
29.6886

■ 63.1323, 53.2092,  
63.1426

■ 42.8878, 23.2966,  
23.7887

■ 70.0062, 64.1198,  
74.1806

■ 41.2129, 21.3916,  
18.7758

■ 77.9435, 76.9008,  
86.3635

■ 40.0952, 20.3969,  
14.5786

■ 86.9889, 91.6353,  
99.7253

■ 40.0750, 20.3800,  
14.4991

■ 91.4662, 98.1525,  
108.7323

# Harmonies

## Analogous

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



48.7974, 36.6344, 71.2696



52.3791, 36.6344, 44.3549



50.7060, 36.6344, 24.4043

# Triad

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



52.3791, 36.6344, 44.3549



28.8814, 36.6344, 11.8005



26.6413, 36.6344, 87.1647

# Complementary

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



52.3791, 36.6344, 44.3549



50.5602, 73.4117, 62.5478

# 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.



22.6556, 36.6344, 60.8349



52.3791, 36.6344, 44.3549



23.8043, 36.6344, 19.4108

# Square

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



52.3791, 36.6344, 44.3549



36.3463, 36.6344, 10.2371



21.7020, 36.6344, 35.7327



33.3368, 36.6344, 101.3394



# Rectangle

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



52.3791, 36.6344, 44.3549



46.9489, 36.6344, 16.4219



21.7020, 36.6344, 35.7327



24.9835, 36.6344, 79.0504

# Sweetspot

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



52.3801, 36.6362, 44.3556



80.6591, 76.6252, 87.4342



45.3381, 31.9846, 90.1703



16.8783, 15.7804, 18.1187



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.



52.3801, 36.6362, 44.3556



52.8702, 33.5143, 39.7370



49.3670, 37.1130, 23.3028



16.7865, 16.5974, 18.6220



21.6546, 11.0053, 8.1553



1.9532, 0.9873, 0.9802



# Inverse Universe

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



52.3801, 36.6362, 44.3556



52.8702, 33.5143, 39.7370



54.8966, 71.2956, 97.2544



16.7865, 16.5974, 18.6220



21.6546, 11.0053, 8.1553



1.9532, 0.9873, 0.9802



# Previews

## White Background



This preview shows how the XYZ color 52.3791, 36.6344, 44.3549 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

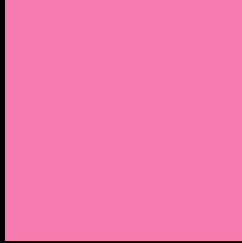
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 52.3791, 36.6344, 44.3549 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 52.3791, 36.6344, 44.3549**

## **Background**



This preview shows how black text looks on a background with the XYZ color 52.3791, 36.6344, 44.3549.



This preview shows how white text looks on a background with the XYZ color 52.3791, 36.6344,



# 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

52.3791, 36.6344, 44.3549

### Protanopia

36.7467, 36.9327, 59.2248

### Deuteranopia

37.4262, 36.6280, 42.1431



## Tritanopia

49.2608, 36.7066, 28.9148

# Trichromacy



## Original Color

52.3791, 36.6344, 44.3549

## Protanomaly

40.6232, 35.5889, 53.4435

## Deuteranomaly

41.7382, 35.7096, 42.7230

## Tritanomaly

50.2190, 36.5004, 34.1042

# Monochromacy



## Original Color

52.3791, 36.6344, 44.3549

## Achromatopsia

35.7637, 37.6262, 40.9749

## Achromatomaly

40.2224, 36.1092, 41.8956

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 52.3791, 36.6344, 44.3549 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(245, 123, 174)` looks like.

```
.text, #text, p{  
    color:rgb(245, 123, 174)  
}
```

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(245, 123, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 123, 174) }
```

## Border

The CSS property to change the border of an element to XYZ 52.3791, 36.6344, 44.3549 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(245, 123, 174) }
```



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

```
.border{ border-color:rgb(245, 123, 174) }
```

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

Here you see how a box with a 4 pixel `rgb(245, 123, 174)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(245, 123, 174); -webkit-box-shadow:4px 4px 4px 4px rgb(245, 123, 174); box-shadow:4px 4px 4px 4px rgb(245, 123, 174) }
```

# Background

The CSS property to change the background color of an element to XYZ 52.3791, 36.6344, 44.3549 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(245, 123, 174) }
```

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

```
.background{ background-color: rgb(245,  
123, 174) }
```

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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