

# Converting Colors

XYZ(51.8816, 36.3552, 45.3571)

Have a look what the booklet for  
XYZ(51.8816, 36.3552, 45.3571)  
contains.

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# Color

**XYZ(51.8816, 36.3552,  
45.3571)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F37BB0
RGB	243, 123, 176
RGB Percent	95%, 48%, 69%
CMY	0.0471, 0.5176, 0.3098
CMYK	0.00, 0.49, 0.28, 0.05
HSL	334°, 83%, 72%
HSV	334°, 49%, 95%
XYZ	51.8816, 36.3552, 45.3571
YIQ	164.9220, 54.5070, 41.9230

# Conversions

## Conversions Part 2

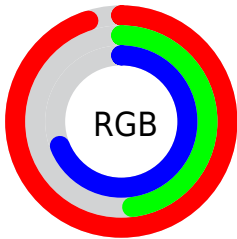
Format	Color
R <sub>Y</sub> B	243, 123, 176
Decimal	15956912
CIE Lab	66.79, 51.77, -6.63
CIE LCh	67, 52.195, 352.707
Yxy	36.3552, 0.3884, 0.2721
Android (android.graphics.Color)	4294146992 (0xFFFF37BB0)
YUV	164.9220, 5.4615, 68.4744
Hunter-Lab	60.2953, 48.0752, -2.3942

# Details

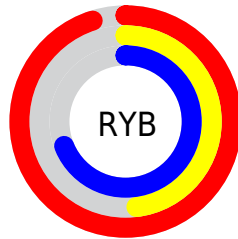
The XYZ color **51.8816, 36.3552, 45.3571** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **49.5150, 72.0309, 60.0125**, and the grayscale version is **35.6843, 37.5427, 40.8840**.

A 20% lighter version of the original color is **71.7259, 58.9270, 83.9376**, and **25.5334, 15.9018, 20.7924** is the 20% darker color. If you saturate the color by 10%, you get **47.9565, 30.5470, 37.7530**, and if you desaturate by 10%, it is **56.6910, 43.7167, 53.9188**.

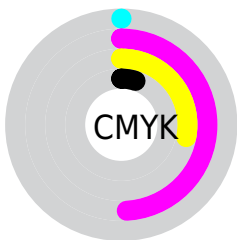
# Distribution



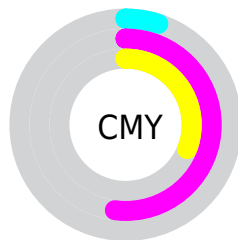
- Red (95%)
- Green (48%)
- Blue (69%)



- Red (95%)
- Yellow (48%)
- Blue (69%)



- Cyan (0%)
- Magenta (49%)
- Yellow (28%)
- Black (5%)




- Cyan (5%)
- Magenta (52%)
- Yellow (31%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 51.8816, 36.3552, 45.3571 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 51.8816, 36.3552, 45.3571 by changing the saturation by 10% instead.





 51.8816, 36.3552,  
45.3571

 51.8816, 36.3552,  
45.3571


384.3108,  
330.5104, 384.4201


 37.1346, 24.7086,  
31.3938


 92.1319, 69.5800,  
84.5801

 25.4859, 15.8601,  
20.6379

 118.3658, 91.9270,  
110.6770

 16.5701, 9.4252,  
12.6709

 149.1595,  
118.6095, 141.6554

 10.0218, 5.0196,  
7.0743

184.8782,  
150.0121, 177.9339

 5.4758, 2.2587,  
3.4295

225.8874,  
186.5191, 219.9311

 2.5667, 0.7517,  
1.3179

272.5523,

 0.9290, 0.0000,

228.5149, 268.0655

0.0764

325.2383,  
276.3839, 322.7557

■ 0.0000, 0.0000,  
0.0000

■ 51.8816, 36.3552,  
45.3571

■ 51.8816, 36.3552,  
45.3571

■ 47.9565, 30.5470,  
37.7530

■ 56.6910, 43.7167,  
53.9188

■ 44.8523, 26.1724,  
31.0649

■ 62.4360, 52.7287,  
63.4726

■ 42.5015, 23.1027,  
25.2504

■ 69.1673, 63.4871,  
74.0536

■ 40.8234, 21.1834,  
20.2613

■ 76.9312, 76.0785,  
85.6943

■ 39.6939, 20.1736,  
16.0338

■ 85.7708, 90.5837,  
98.4258

■ 39.6329, 20.1230,  
15.7932

■ 90.7723, 97.7948,  
108.6998

# Harmonies

## Analogous

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



48.0748, 36.3552, 72.1544



51.8816, 36.3552, 45.3571



50.5137, 36.3552, 25.0772

# Triad

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



51.8816, 36.3552, 45.3571



29.0259, 36.3552, 11.5197



26.1579, 36.3552, 85.1537

# Complementary

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



51.8816, 36.3552, 45.3571



49.5150, 72.0309, 60.0125

# 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.



22.3698, 36.3552, 58.8240



51.8816, 36.3552, 45.3571



23.8414, 36.3552, 18.6730

# Square

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



51.8816, 36.3552, 45.3571



36.5153, 36.3552, 10.2460



21.5914, 36.3552, 34.3240



32.6652, 36.3552, 100.1681



# Rectangle

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



51.8816, 36.3552, 45.3571



46.9367, 36.3552, 16.8332



21.5914, 36.3552, 34.3240



24.5674, 36.3552, 76.9446

# Sweetspot

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



51.8826, 36.3570, 45.3578



80.7885, 76.6769, 88.1152



44.2486, 31.4580, 88.5342



16.9094, 15.7928, 18.2821



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.



51.8826, 36.3570, 45.3578



53.5960, 34.2118, 42.3041



48.3890, 36.1872, 23.1756



16.8032, 16.6041, 18.7101



21.8172, 11.0703, 9.0117



1.9683, 0.9933, 1.0595



# Inverse Universe

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



51.8826, 36.3570, 45.3578



53.5960, 34.2118, 42.3041



54.6315, 71.2513, 95.6678



16.8032, 16.6041, 18.7101



21.8172, 11.0703, 9.0117



1.9683, 0.9933, 1.0595



# Previews

## White Background



This preview shows how the XYZ color 51.8816, 36.3552, 45.3571 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

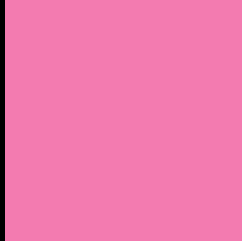
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 51.8816, 36.3552, 45.3571 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 51.8816, 36.3552, 45.3571**

## **Background**



This preview shows how black text looks on a background with the XYZ color 51.8816, 36.3552, 45.3571.



This preview shows how white text looks on a background with the XYZ color 51.8816, 36.3552,

45.3571.

# 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

51.8816, 36.3552, 45.3571

### Protanopia

36.6139, 36.5768, 60.3886

### Deuteranopia

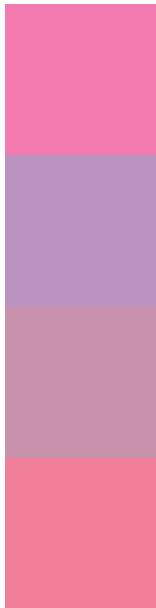
37.1618, 36.4700, 43.1110



## Tritanopia

48.6514, 36.3840, 29.2695

# Trichromacy



## Original Color

51.8816, 36.3552, 45.3571

## Protanomaly

40.1978, 35.1123, 54.5279

## Deuteranomaly

41.3912, 35.5087, 43.7020

## Tritanomaly

49.6148, 36.1794, 34.5053

# Monochromacy



## Original Color

51.8816, 36.3552, 45.3571

## Achromatopsia

35.7637, 37.6262, 40.9749

## Achromatomaly

40.0601, 36.0147, 42.3763

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 51.8816, 36.3552, 45.3571 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(243, 123, 176)` looks like.

```
.text, #text, p{  
    color:rgb(243, 123, 176)  
}
```

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(243, 123, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(243, 123, 176) }
```

## Border

The CSS property to change the border of an element to XYZ 51.8816, 36.3552, 45.3571 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(243, 123, 176) }
```



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

```
.border{ border-color:rgb(243, 123, 176) }
```

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

Here you see how a box with a 4 pixel `rgb(243, 123, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(243, 123, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(243, 123, 176);  
box-shadow:4px 4px 4px 4px rgb(243, 123,  
176) }
```

# Background

The CSS property to change the background color of an element to XYZ 51.8816, 36.3552, 45.3571 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(243, 123, 176) }
```

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

```
.background{ background-color: rgb(243,  
123, 176) }
```

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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