

# Converting Colors

XYZ(53.0751, 36.6605, 45.3845)

Have a look what the booklet for  
XYZ(53.0751, 36.6605, 45.3845)  
contains.

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# Color

**XYZ(53.0316, 36.5835,  
45.3405)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F779B0
RGB	247, 121, 176
RGB Percent	97%, 47%, 69%
CMY	0.0314, 0.5255, 0.3098
CMYK	0.00, 0.51, 0.29, 0.03
HSL	334°, 89%, 72%
HSV	334°, 51%, 97%
XYZ	53.0316, 36.5835, 45.3405
YIQ	164.9440, 57.4410, 43.8170

# Conversions

## Conversions Part 2

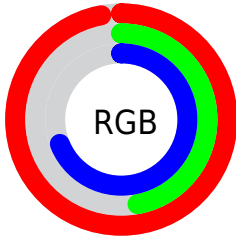
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	247, 121, 176
Decimal	16218544
CIE <sub>Lab</sub>	66.96, 54.02, -6.31
CIE <sub>LCh</sub>	67, 54.392, 353.338
Yxy	36.5835, 0.3930, 0.2711
Android (android.graphics.Color)	4294408624 (0xFFFF779B0)
YUV	164.9440, 5.4506, 71.9631
Hunter-Lab	60.4843, 50.6582, -2.1062

# Details

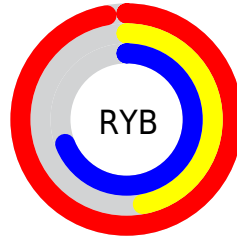
The XYZ color **53.0316, 36.5835, 45.3405** is a light color, and the websafe version is hex **FF6699**. A complement of this color would be **50.6622, 74.3932, 61.5623**, and the grayscale version is **35.6940, 37.5528, 40.8950**.

A 20% lighter version of the original color is **71.5276, 58.5305, 83.8715**, and **26.3253, 16.0430, 20.7779** is the 20% darker color. If you saturate the color by 10%, you get **49.0977, 30.8077, 37.5793**, and if you desaturate by 10%, it is **57.8771, 43.9560, 54.1031**.

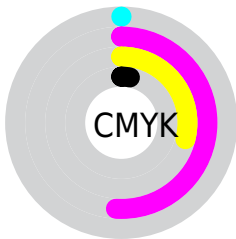
# Distribution



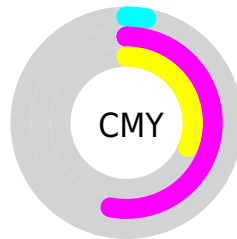
- Red (97%)
- Green (47%)
- Blue (69%)



- Red (97%)
- Yellow (47%)
- Blue (69%)



- Cyan (0%)
- Magenta (51%)
- Yellow (29%)
- Black (3%)




- Cyan (3%)
- Magenta (53%)
- Yellow (31%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 53.0316, 36.5835, 45.3405 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 53.0316, 36.5835, 45.3405 by changing the saturation by 10% instead.





 53.0316, 36.5835,  
45.3405


 53.0316, 36.5835,  
45.3405


388.6652,  
331.5038, 384.3511


 38.0556, 24.8852,  
31.3808


 93.8161, 69.9317,  
84.5550

 26.2032, 15.9915,  
20.6281


 120.3553, 92.3504,  
110.6469

 17.1092, 9.5182,  
12.6638


 151.4796,  
119.1114, 141.6199

 10.4082, 5.0807,  
7.0695

187.5544,  
150.5990, 177.8926

 5.7348, 2.2947,  
3.4265

228.9450,  
187.1977, 219.8835

 2.7236, 0.7709,  
1.3163

276.0168,

 1.0093, 0.0000,

229.2917, 268.0112

0.0751

329.1351,  
277.2656, 322.6943

■ 0.0000, 0.0000,  
0.0000

■ 53.0316, 36.5835,  
45.3405

■ 53.0316, 36.5835,  
45.3405

■ 49.0977, 30.8077,  
37.5793

■ 57.8771, 43.9560,  
54.1031

■ 46.0081, 26.5016,  
30.7750

■ 63.6888, 53.0285,  
63.9041

■ 43.6908, 23.5279,  
24.8821

■ 70.5202, 63.9018,  
74.7809

■ 42.0587, 21.7199,  
19.8485

■ 78.4201, 76.6674,  
86.7683

■ 41.0546, 20.8529,  
15.9958

■ 87.4339, 91.4103,  
99.8993

92.1678, 98.5142,  
108.7651

# Harmonies

## Analogous

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



49.1153, 36.5835, 73.5915



53.0316, 36.5835, 45.3405



51.4691, 36.5835, 24.4072

# Triad

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



53.0316, 36.5835, 45.3405



28.8570, 36.5835, 10.9825



26.1322, 36.5835, 88.5336

# Complementary

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



53.0316, 36.5835, 45.3405



50.6622, 74.3932, 61.5623

# 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.



22.1431, 36.5835, 60.6829



53.0316, 36.5835, 45.3405



23.5336, 36.5835, 18.3953

# Square

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



53.0316, 36.5835, 45.3405



36.6448, 36.5835, 9.6000



21.2731, 36.5835, 34.7910



32.9632, 36.5835, 104.1593



# Rectangle

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



53.0316, 36.5835, 45.3405



47.6351, 36.5835, 16.0779



21.2731, 36.5835, 34.7910



24.4612, 36.5835, 79.8658

# Sweetspot

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



53.0326, 36.5853, 45.3412



80.7602, 76.6656, 87.9662



44.9379, 31.3782, 91.6840



16.9026, 15.7901, 18.2463



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.



53.0326, 36.5853, 45.3412



52.7515, 33.0720, 40.3296



49.4386, 36.4130, 22.5142



16.7995, 16.6027, 18.6909



21.7808, 11.0558, 8.8200



1.9650, 0.9920, 1.0419



# Inverse Universe

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



53.0326, 36.5853, 45.3412



52.7515, 33.0720, 40.3296



56.0414, 73.5144, 99.2319



16.7995, 16.6027, 18.6909



21.7808, 11.0558, 8.8200



1.9650, 0.9920, 1.0419



# Previews

## White Background



This preview shows how the XYZ color 53.0316, 36.5835, 45.3405 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

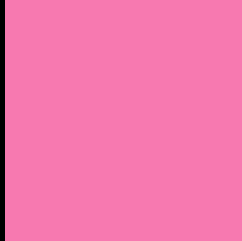
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 53.0316, 36.5835, 45.3405 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

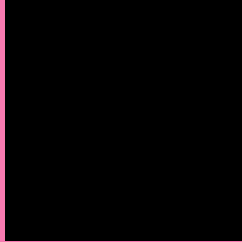
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 53.0316, 36.5835, 45.3405**

## **Background**



This preview shows how black text looks on a background with the XYZ color 53.0316, 36.5835, 45.3405.



This preview shows how white text looks on a background with the XYZ color 53.0316, 36.5835,



# 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

53.0316, 36.5835, 45.3405

### Protanopia

36.9074, 36.9750, 61.0688

### Deuteranopia

37.3871, 36.5861, 43.1215



## Tritanopia

49.7459, 36.7686, 28.5199

# Trichromacy



## Original Color

53.0316, 36.5835, 45.3405



## Protanomaly

40.7984, 35.4091, 55.1364



## Deuteranomaly

41.9289, 35.7859, 43.7272



## Tritanomaly

50.7845, 36.6012, 34.0939

# Monochromacy



## Original Color

53.0316, 36.5835, 45.3405



## Achromatopsia

35.7637, 37.6262, 40.9749



## Achromatomaly

40.4146, 35.9616, 42.3473

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 53.0316, 36.5835, 45.3405 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(247, 121, 176)` looks like.

```
.text, #text, p{  
    color:rgb(247, 121, 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(247, 121, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(247, 121, 176) }
```

## Border

The CSS property to change the border of an element to XYZ 53.0316, 36.5835, 45.3405 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(247, 121, 176) }
```



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

```
.border{ border-color:rgb(247, 121, 176) }
```

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

Here you see how a box with a 4 pixel `rgb(247, 121, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(247, 121, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(247, 121, 176);  
box-shadow:4px 4px 4px 4px rgb(247, 121,  
176) }
```

# Background

The CSS property to change the background color of an element to XYZ 53.0316, 36.5835, 45.3405 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(247, 121, 176) }
```

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

```
.background{ background-color: rgb(247,  
121, 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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