

# Converting Colors

XYZ(53.6746, 35.6164, 42.0423)

Have a look what the booklet for  
XYZ(53.6746, 35.6164, 42.0423)  
contains.

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# Color

**XYZ(53.6688, 35.5952,  
42.0721)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FD71AA
RGB	253, 113, 170
RGB Percent	99%, 44%, 67%
CMY	0.0078, 0.5568, 0.3333
CMYK	0.00, 0.55, 0.33, 0.01
HSL	336°, 97%, 72%
HSV	336°, 55%, 99%
XYZ	53.6688, 35.5952, 42.0721
YIQ	161.3580, 65.1430, 47.4070

# Conversions

## Conversions Part 2

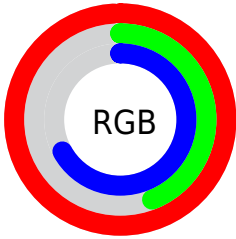
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	253, 113, 170
Decimal	16609706
CIE Lab	66.21, 58.92, -3.93
CIE LCh	66, 59.047, 356.183
Yxy	35.5952, 0.4086, 0.2710
Android (android.graphics.Color)	4294799786 (0xFFFD71AA)
YUV	161.3580, 4.2605, 80.3700
Hunter-Lab	59.6617, 56.1620, -0.0468

# Details

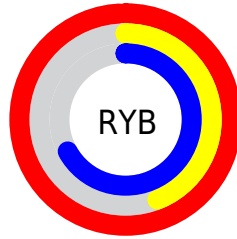
The XYZ color **53.6688, 35.5952, 42.0721** is a light color, and the websafe version is hex **FF6699**. A complement of this color would be **51.9010, 77.7476, 64.5003**, and the grayscale version is **34.0037, 35.7745, 38.9584**.

A 20% lighter version of the original color is **69.0186, 55.0722, 78.2265**, and **26.6765, 15.4738, 18.7203** is the 20% darker color. If you saturate the color by 10%, you get **49.8903, 30.1808, 34.2066**, and if you desaturate by 10%, it is **58.3978, 42.6510, 51.0539**.

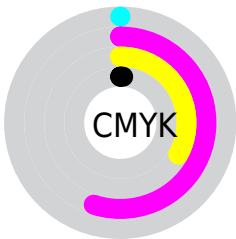
# Distribution



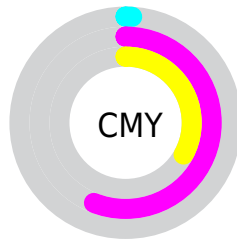
- Red (99%)
- Green (44%)
- Blue (67%)



- Red (99%)
- Yellow (44%)
- Blue (67%)



- Cyan (0%)
- Magenta (55%)
- Yellow (33%)
- Black (1%)




- Cyan (1%)
- Magenta (56%)
- Yellow (33%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 53.6688, 35.5952, 42.0721 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 53.6688, 35.5952, 42.0721 by changing the saturation by 10% instead.




 53.6688, 35.5952,  
42.0721

 53.6688, 35.5952,  
42.0721

391.0648,  
327.1878, 370.5902


 38.5666, 24.1217,  
28.8318

 94.7475, 68.4068,  
79.5800

 26.6019, 15.4239,  
18.7091


 121.4547, 90.5137,  
104.6846

 17.4095, 9.1175,  
11.2856


 152.7609,  
116.9339, 134.5811

 10.6240, 4.8179,  
6.1427

189.0315,  
148.0518, 169.6880

 5.8800, 2.1408,  
2.8618

230.6318,  
184.2517, 210.4238

 2.8122, 0.6874,  
1.0245

277.9272,

 1.0553, 0.0000,

225.9181, 257.2071

0.0000

331.2831,  
273.4353, 310.4564

■ 0.0000, 0.0000,  
0.0000

■ 53.6688, 35.5952,  
42.0721

■ 53.6688, 35.5952,  
42.0721

■ 49.8903, 30.1808,  
34.2066

■ 58.3978, 42.6510,  
51.0539

■ 46.9866, 26.2659,  
27.4045

■ 64.1389, 51.4637,  
61.1970

■ 44.8746, 23.6932,  
21.6103

■ 70.9517, 62.1447,  
72.5461

■ 43.4517, 22.2668,  
16.7598

■ 78.8903, 74.7944,  
85.1423

■ 42.9562, 21.8619,  
14.7876

■ 88.0050, 89.5062,  
99.0249

94.3180, 99.6226,  
108.8657

# Harmonies

## Analogous

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



49.9188, 35.5952, 72.4478



53.6688, 35.5952, 42.0721



51.3924, 35.5952, 21.0727

# Triad

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



53.6688, 35.5952, 42.0721



26.9049, 35.5952, 9.5149



25.2653, 35.5952, 94.5346

# Complementary

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



53.6688, 35.5952, 42.0721



51.9010, 77.7476, 64.5003

# 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.



20.8112, 35.5952, 64.2985



53.6688, 35.5952, 42.0721



21.6362, 35.5952, 17.5667

# Square

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



53.6688, 35.5952, 42.0721



34.9707, 35.5952, 7.7329



19.6071, 35.5952, 35.6210



32.7186, 35.5952, 109.9591



# Rectangle

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



53.6688, 35.5952, 42.0721



46.9449, 35.5952, 13.2602



19.6071, 35.5952, 35.6210



23.4214, 35.5952, 85.2652

# Sweetspot

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



53.6698, 35.5970, 42.0728



78.8806, 73.8460, 84.4436



46.0562, 30.4621, 96.3808



16.5243, 15.2316, 17.5099



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.



53.6698, 35.5970, 42.0728



50.5586, 30.4018, 34.3095



50.7815, 36.6599, 20.0248



18.3159, 18.1097, 20.2806



22.9189, 11.6569, 8.2236



2.2841, 1.1560, 1.0773



# Inverse Universe

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



53.6698, 35.5970, 42.0728



50.5586, 30.4018, 34.3095



56.0950, 73.7116, 104.1997



18.3159, 18.1097, 20.2806



22.9189, 11.6569, 8.2236



2.2841, 1.1560, 1.0773



# Previews

## White Background



This preview shows how the XYZ color 53.6688, 35.5952, 42.0721 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 53.6688, 35.5952, 42.0721 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 53.6688, 35.5952, 42.0721**

## **Background**



This preview shows how black text looks on a background with the XYZ color 53.6688, 35.5952, 42.0721.



This preview shows how white text looks on a background with the XYZ color 53.6688, 35.5952,



# 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

53.6688, 35.5952, 42.0721

### Protanopia

35.9450, 35.9871, 59.6953

### Deuteranopia

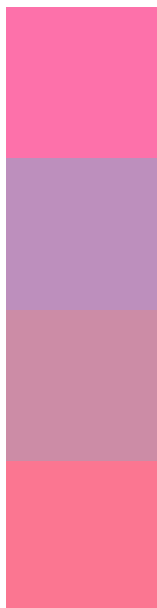
36.4038, 35.6514, 39.6130



## Tritanopia

50.2910, 35.6104, 25.3420

# Trichromacy



## Original Color

53.6688, 35.5952, 42.0721

## Protanomaly

39.9940, 34.1379, 52.6255

## Deuteranomaly

41.1629, 34.3467, 40.5365

## Tritanomaly

51.3729, 35.5104, 30.9346

# Monochromacy



## Original Color

53.6688, 35.5952, 42.0721

## Achromatopsia

33.8758, 35.6400, 38.8120

## Achromatomaly

38.9222, 34.0962, 39.6518

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 53.6688, 35.5952, 42.0721 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(253, 113, 170)` looks like.

```
.text, #text, p{  
    color:rgb(253, 113, 170)  
}
```

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(253, 113, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(253, 113, 170) }
```

## Border

The CSS property to change the border of an element to XYZ 53.6688, 35.5952, 42.0721 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(253, 113, 170) }
```



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

```
.border{ border-color:rgb(253, 113, 170) }
```

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

Here you see how a box with a 4 pixel rgb(253, 113, 170) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(253, 113, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(253, 113, 170);  
box-shadow:4px 4px 4px 4px rgb(253, 113,  
170) }
```

# Background

The CSS property to change the background color of an element to XYZ 53.6688, 35.5952, 42.0721 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(253, 113, 170) }
```

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

```
.background{ background-color: rgb(253,  
113, 170) }
```

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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