

# Converting Colors

XYZ(61.8706, 39.0131, 36.9447)

Have a look what the booklet for  
XYZ(61.8706, 39.0131, 36.9447)  
contains.

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# Color

**XYZ(52.7557, 34.2786,  
36.6368)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF6B9F
RGB	255, 107, 159
RGB Percent	100%, 42%, 62%
CMY	0.0000, 0.5804, 0.3765
CMYK	0.00, 0.58, 0.38, 0.00
HSL	339°, 100%, 71%
HSV	339°, 58%, 100%
XYZ	52.7557, 34.2786, 36.6368
YIQ	157.1800, 71.5160, 47.5480

# Conversions

## Conversions Part 2

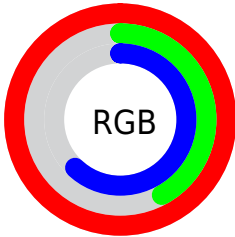
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	255, 107, 159
Decimal	16739231
CIE <sub>Lab</sub>	65.18, 60.98, 0.86
CIE <sub>LCh</sub>	65, 60.989, 0.812
Yxy	34.2786, 0.4266, 0.2772
Android (android.graphics.Color)	4294929311 (0xFFFF6B9F)
YUV	157.1800, 0.8973, 85.7881
Hunter-Lab	58.5479, 58.3819, 3.8824

# Details

The XYZ color **52.7557, 34.2786, 36.6368** is a light color, and the websafe version is hex **FF6699**. A complement of this color would be **52.6048, 78.9585, 68.9727**, and the grayscale version is **32.1037, 33.7756, 36.7816**.

A 20% lighter version of the original color is **66.6531, 52.6660, 70.2709**, and **26.0119, 14.6659, 15.6472** is the 20% darker color. If you saturate the color by 10%, you get **49.1374, 29.1875, 28.8163**, and if you desaturate by 10%, it is **57.3516, 41.0173, 45.7315**.

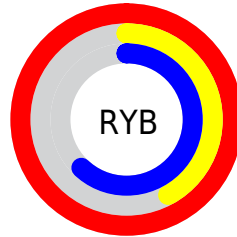
# Distribution



Red (100%)

Green (42%)

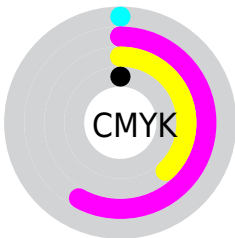
Blue (62%)



Red (100%)

Yellow (42%)

Blue (62%)

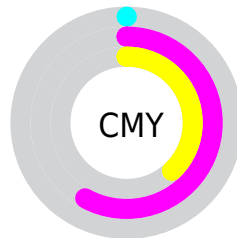


Cyan (0%)

Magenta (58%)

Yellow (38%)

Black (0%)



Cyan (0%)

Magenta (58%)


Yellow (38%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 52.7557, 34.2786, 36.6368 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 52.7557, 34.2786, 36.6368 by changing the saturation by 10% instead.




 52.7557, 34.2786,  
36.6368


 52.7557, 34.2786,  
36.6368


387.6234,  
321.3725, 346.8566


 37.8345, 23.1077,  
24.6328


 93.4124, 66.3667,  
71.1939


 26.0309, 14.6731,  
15.5872


 119.8787, 88.0527,  
94.5841

 16.9795, 8.5903,  
9.0813


 150.9239,  
114.0125, 122.6068

 10.3151, 4.4749,  
4.6967

 186.9136,  
144.6305, 155.6805

 5.6723, 1.9426,  
2.0148

228.2130,  
180.2911, 194.2238

 2.6856, 0.5738,  
0.5644

275.1875,

 0.9898, 0.0000,

221.3787, 238.6553

0.0000

328.2025,  
268.2777, 289.3933

■ 0.0000, 0.0000,  
0.0000

■ 52.7557, 34.2786,  
36.6368

■ 52.7557, 34.2786,  
36.6368

■ 49.1374, 29.1875,  
28.8163

■ 57.3516, 41.0173,  
45.7315

■ 46.4152, 25.5934,  
22.2046

■ 62.9920, 49.5261,  
56.1571

■ 44.4979, 23.3267,  
16.7317

■ 69.7408, 59.9220,  
67.9687

■ 43.2628, 22.1561,  
12.3141

■ 77.6558, 72.3104,  
81.2175

■ 43.0679, 21.9911,  
11.5556

■ 86.7909, 86.7889,  
95.9519

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.



49.8310, 34.2786, 66.5312



52.7557, 34.2786, 36.6368



49.5114, 34.2786, 17.4958

# Triad

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



52.7557, 34.2786, 36.6368



24.6107, 34.2786, 9.1460



24.9589, 34.2786, 98.1742

# Complementary

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



52.7557, 34.2786, 36.6368



52.6048, 78.9585, 68.9727

# 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.



20.0305, 34.2786, 68.3064



52.7557, 34.2786, 36.6368



19.8565, 34.2786, 18.2280

# Square

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



52.7557, 34.2786, 36.6368



32.3401, 34.2786, 6.7073



18.3430, 34.2786, 38.0189



32.8227, 34.2786, 110.4485



# Rectangle

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



52.7557, 34.2786, 36.6368



44.5741, 34.2786, 10.8420



18.3430, 34.2786, 38.0189



22.9584, 34.2786, 89.3468

# Sweetspot

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



52.7566, 34.2804, 36.6374



78.5446, 73.7116, 82.6740



47.3252, 30.1182, 97.9268



16.4454, 15.2000, 17.0941



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.



52.7566, 34.2804, 36.6374



48.5346, 28.3683, 27.4243



51.4502, 37.4336, 18.4260



18.2729, 18.0925, 20.0542



22.5676, 11.5163, 6.3735



2.2468, 1.1411, 0.8811



# Inverse Universe

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



52.7566, 34.2804, 36.6374



48.5346, 28.3683, 27.4243



53.8995, 69.9164, 105.2621



18.2729, 18.0925, 20.0542



22.5676, 11.5163, 6.3735



2.2468, 1.1411, 0.8811



# Previews

## White Background



This preview shows how the XYZ color 52.7557, 34.2786, 36.6368 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

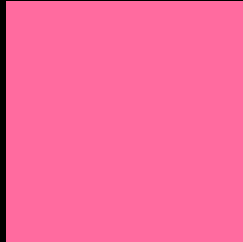
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 52.7557, 34.2786, 36.6368 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 52.7557, 34.2786, 36.6368**

## **Background**



This preview shows how black text looks on a background with the XYZ color 52.7557, 34.2786, 36.6368.



This preview shows how white text looks on a background with the XYZ color 52.7557, 34.2786,



# 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

52.7557, 34.2786, 36.6368

### Protanopia

34.3001, 34.5070, 53.5679

### Deuteranopia

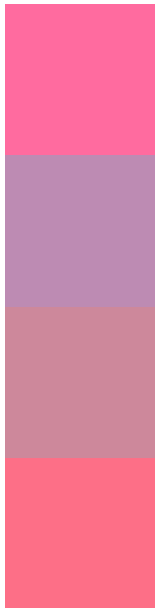
34.9632, 34.2796, 34.4796



## Tritanopia

49.6750, 34.1352, 22.3829

# Trichromacy



## Original Color

52.7557, 34.2786, 36.6368

## Protanomaly

38.3556, 32.5387, 46.9069

## Deuteranomaly

39.8974, 32.9540, 35.2683

## Tritanomaly

50.5656, 34.0008, 26.8194

# Monochromacy



## Original Color

52.7557, 34.2786, 36.6368

## Achromatopsia

32.0474, 33.7164, 36.7171

## Achromatomaly

37.3965, 32.2713, 36.6057

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 52.7557, 34.2786, 36.6368 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, 107, 159)` looks like.

```
.text, #text, p{  
    color:rgb(255, 107, 159)  
}
```

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, 107, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 107, 159) }
```

## Border

The CSS property to change the border of an element to XYZ 52.7557, 34.2786, 36.6368 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, 107, 159) }
```



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

```
.border{ border-color:rgb(255, 107, 159) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 107, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 107, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 107, 159);  
box-shadow:4px 4px 4px 4px rgb(255, 107,  
159) }
```

# Background

The CSS property to change the background color of an element to XYZ 52.7557, 34.2786, 36.6368 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 107, 159) }
```

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

```
.background{ background-color: rgb(255,  
107, 159) }
```

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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