

# Converting Colors

XYZ(56.2332, 39.5039, 43.1287)

Have a look what the booklet for  
XYZ(56.2332, 39.5039, 43.1287)  
contains.

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# Color

**XYZ(56.3099, 39.6386,  
43.2112)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF80AB
RGB	255, 128, 171
RGB Percent	100%, 50%, 67%
CMY	0.0000, 0.4980, 0.3294
CMYK	0.00, 0.50, 0.33, 0.00
HSL	340°, 100%, 75%
HSV	340°, 50%, 100%
XYZ	56.3099, 39.6386, 43.2112
YIQ	170.8750, 61.8890, 40.2970

# Conversions

## Conversions Part 2

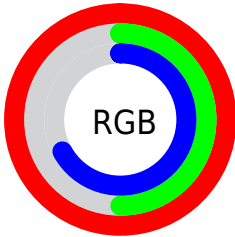
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	255, 128, 171
Decimal	16744619
CIE Lab	69.21, 52.65, -0.06
CIE LCh	69, 52.648, 359.936
Yxy	39.6386, 0.4046, 0.2848
Android (android.graphics.Color)	4294934699 (0xFFFF80AB)
YUV	170.8750, 0.0616, 73.7776
Hunter-Lab	62.9592, 49.4695, 3.3785

# Details

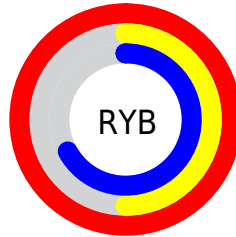
The XYZ color **56.3099, 39.6386, 43.2112** is a light color, and the websafe version is hex **FF6699**. A complement of this color would be **56.5477, 80.8635, 74.9195**, and the grayscale version is **38.6251, 40.6366, 44.2532**.

A 20% lighter version of the original color is **72.1080, 61.0320, 79.9314**, and **28.2180, 17.6991, 19.3818** is the 20% darker color. If you saturate the color by 10%, you get **51.8853, 33.2003, 34.3040**, and if you desaturate by 10%, it is **61.7773, 47.8340, 53.4791**.

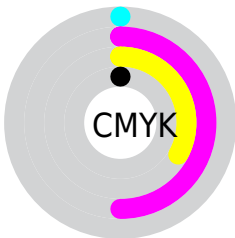
# Distribution



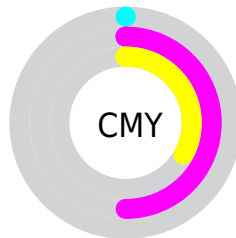
- Red (100%)
- Green (50%)
- Blue (67%)



- Red (100%)
- Yellow (50%)
- Blue (67%)



- Cyan (0%)
- Magenta (50%)
- Yellow (33%)
- Black (0%)




- Cyan (0%)
- Magenta (50%)
- Yellow (33%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 56.3099, 39.6386, 43.2112 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 56.3099, 39.6386, 43.2112 by changing the saturation by 10% instead.





 56.3099, 39.6386,  
43.2112

 56.3099, 39.6386,  
43.2112


400.9145,  
344.5980, 375.4263


 40.6894, 27.2569,  
29.7182


 98.5947, 74.6129,  
81.3192

 28.2631, 17.7662,  
19.3746


 125.9898, 97.9742,  
106.7714

 18.6655, 10.7823,  
11.7617


 158.0404,  
125.7642, 137.0470

 11.5314, 5.9206,  
6.4611

195.1119,  
158.3673, 172.5647

 6.4954, 2.7969,  
3.0541

237.5698,  
196.1678, 213.7429

 3.1921, 1.0266,  
1.1223

285.7792,

 1.2561, 0.0000,

239.5501, 261.0002

0.0000

340.1057,  
288.8987, 314.7552

■ 0.1500, 0.0000,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 56.3099, 39.6386,  
43.2112

■ 56.3099, 39.6386,  
43.2112

■ 51.8853, 33.2003,  
34.3040

■ 61.7773, 47.8340,  
53.4791

■ 48.4289, 28.3826,  
26.6933

■ 68.3490, 57.8981,  
65.1629

■ 45.8606, 25.0380,  
20.3125

■ 76.0851, 69.9398,  
78.3172

■ 44.0846, 22.9891,  
15.0865

■ 85.0404, 84.0583,  
92.9931

■ 42.9522, 21.9537, 95.0500, 100.0000,  
10.9191 108.9000

■ 42.9331, 21.9372,  
10.8456

# Harmonies

## Analogous

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



53.5085, 39.6386, 70.8265



56.3099, 39.6386, 43.2112



53.5312, 39.6386, 23.8986

# Triad

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



56.3099, 39.6386, 43.2112



30.1548, 39.6386, 14.1449



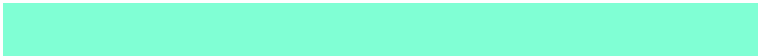
30.1279, 39.6386, 97.0591

# Complementary

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



56.3099, 39.6386, 43.2112



56.5477, 80.8635, 74.9195

# 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.



25.3073, 39.6386, 70.7025



56.3099, 39.6386, 43.2112



25.3211, 39.6386, 23.8386

# Square

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



56.3099, 39.6386, 43.2112



37.6933, 39.6386, 11.4016



23.6853, 39.6386, 43.1082



37.6573, 39.6386, 108.1726



# Rectangle

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



56.3099, 39.6386, 43.2112



49.0947, 39.6386, 16.4977



23.6853, 39.6386, 43.1082



28.1800, 39.6386, 89.3001

# Sweetspot

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



56.3109, 39.6405, 43.2119



80.2292, 76.4532, 85.1703



52.5061, 36.4431, 98.8746



16.7754, 15.7392, 17.5766



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.



56.3109, 39.6405, 43.2119



51.8073, 33.0891, 34.1401



55.5792, 43.7036, 25.9309



18.2631, 18.0885, 20.0026



22.4956, 11.4875, 5.9945



2.2390, 1.1380, 0.8398



# Inverse Universe

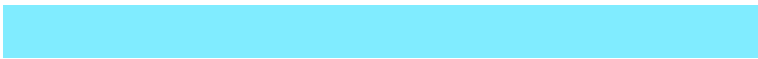
The Inverse Universe completely reimagines the original color for something new.



56.3109, 39.6405, 43.2119



51.8073, 33.0891, 34.1401



56.9345, 71.7725, 105.4605



18.2631, 18.0885, 20.0026



22.4956, 11.4875, 5.9945



2.2390, 1.1380, 0.8398



# Previews

## White Background



This preview shows how the XYZ color 56.3099, 39.6386, 43.2112 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

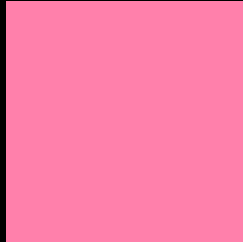
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 56.3099, 39.6386, 43.2112 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 56.3099, 39.6386, 43.2112**

## **Background**



This preview shows how black text looks on a background with the XYZ color 56.3099, 39.6386, 43.2112.



This preview shows how white text looks on a background with the XYZ color 56.3099, 39.6386,



# 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

56.3099, 39.6386, 43.2112

### Protanopia

39.3700, 39.9447, 57.2648

### Deuteranopia

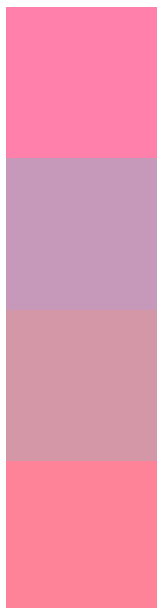
40.5605, 39.8323, 41.1479



## Tritanopia

53.8535, 39.6409, 30.7997

# Trichromacy



## Original Color

56.3099, 39.6386, 43.2112

## Protanomaly

43.5429, 38.3334, 51.5585

## Deuteranomaly

45.1930, 38.9203, 41.6897

## Tritanomaly

54.7391, 39.6033, 34.8961

# Monochromacy



## Original Color

56.3099, 39.6386, 43.2112

## Achromatopsia

38.7082, 40.7240, 44.3485

## Achromatomaly

43.4292, 38.9395, 43.7552

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 56.3099, 39.6386, 43.2112 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, 128, 171)` looks like.

```
.text, #text, p{  
    color:rgb(255, 128, 171)  
}
```

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, 128, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 128, 171) }
```

## Border

The CSS property to change the border of an element to XYZ 56.3099, 39.6386, 43.2112 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, 128, 171) }
```



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

```
.border{ border-color:rgb(255, 128, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 128, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 128, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 128, 171);  
box-shadow:4px 4px 4px 4px rgb(255, 128,  
171) }
```

# Background

The CSS property to change the background color of an element to XYZ 56.3099, 39.6386, 43.2112 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 128, 171) }
```

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

```
.background{ background-color: rgb(255,  
128, 171) }
```

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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