

# Converting Colors

XYZ(56.4240, 39.5814, 44.1296)

Have a look what the booklet for  
XYZ(56.4240, 39.5814, 44.1296)  
contains.

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# Color

**XYZ(56.5020, 39.7155,  
44.2230)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF80AD
RGB	255, 128, 173
RGB Percent	100%, 50%, 68%
CMY	0.0000, 0.4980, 0.3216
CMYK	0.00, 0.50, 0.32, 0.00
HSL	339°, 100%, 75%
HSV	339°, 50%, 100%
XYZ	56.5020, 39.7155, 44.2230
YIQ	171.1030, 61.2470, 40.9190

# Conversions

## Conversions Part 2

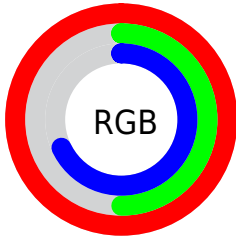
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	255, 128, 173
Decimal	16744621
CIE <sub>Lab</sub>	69.27, 52.89, -1.10
CIE <sub>LCh</sub>	69, 52.899, 358.807
Yxy	39.7155, 0.4023, 0.2828
Android (android.graphics.Color)	4294934701 (0xFFFF80AD)
YUV	171.1030, 0.9352, 73.5777
Hunter-Lab	63.0202, 49.7522, 2.5088

# Details

The XYZ color **56.5020, 39.7155, 44.2230** is a light color, and the websafe version is hex **FF6699**. A complement of this color would be **56.2969, 80.7633, 73.5989**, and the grayscale version is **38.7356, 40.7528, 44.3798**.

A 20% lighter version of the original color is **72.3841, 61.1424, 81.3854**, and **28.3394, 17.7477, 20.0211** is the 20% darker color. If you saturate the color by 10%, you get **52.0876, 33.2813, 35.3693**, and if you desaturate by 10%, it is **61.9505, 47.9034, 54.3910**.

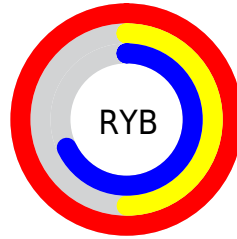
# Distribution



Red (100%)

Green (50%)

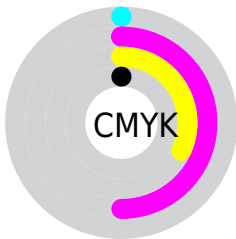
Blue (68%)



Red (100%)

Yellow (50%)

Blue (68%)

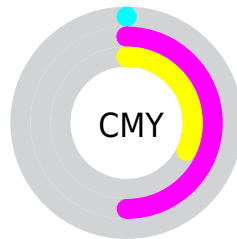


Cyan (0%)

Magenta (50%)

Yellow (32%)

Black (0%)



Cyan (0%)

Magenta (50%)


Yellow (32%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 56.5020, 39.7155, 44.2230 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 56.5020, 39.7155, 44.2230 by changing the saturation by 10% instead.





 56.5020, 39.7155,  
44.2230


 56.5020, 39.7155,  
44.2230

401.6250,  
344.9230, 379.6855


 40.8441, 27.3168,  
30.5074

 98.8737, 74.7301,  
82.8592

 28.3844, 17.8113,  
19.9687


 126.3183, 98.1148,  
108.6170

 18.7576, 10.8146,  
12.1884


 158.4225,  
125.9302, 139.2258

 11.5982, 5.9423,  
6.7481

195.5516,  
158.5609, 175.1043

 6.5410, 2.8100,  
3.2290

238.0711,  
196.3910, 216.6709

 3.2205, 1.0334,  
1.2127

286.3463,

 1.2714, 0.0000,

239.8052, 264.3443

0.0000

340.7424,  
289.1877, 318.5430

■ 0.1617, 0.0000,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 56.5020, 39.7155,  
44.2230

■ 56.5020, 39.7155,  
44.2230

■ 52.0876, 33.2813,  
35.3693

■ 61.9505, 47.9034,  
54.3910

■ 48.6332, 28.4643,  
27.7689

■ 68.4939, 57.9561,  
65.9256

■ 46.0592, 25.1175,  
21.3585

■ 76.1918, 69.9826,  
78.8788

■ 44.2707, 23.0636,  
16.0667

■ 85.0986, 84.0817,  
93.2990

■ 43.1198, 22.0207, 95.0500, 100.0000,  
11.8017 108.9000

■ 43.1002, 22.0041,  
11.7258

# Harmonies

## Analogous

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



53.4787, 39.7155, 72.2066



56.5020, 39.7155, 44.2230



53.9080, 39.7155, 24.4247

# Triad

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



56.5020, 39.7155, 44.2230



30.4265, 39.7155, 13.8809



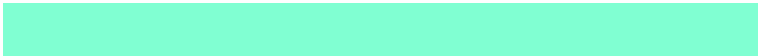
29.9200, 39.7155, 96.7279

# Complementary

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



56.5020, 39.7155, 44.2230



56.2969, 80.7633, 73.5989

# 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.



25.1914, 39.7155, 69.8623



56.5020, 39.7155, 44.2230



25.4516, 39.7155, 23.2920

# Square

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



56.5020, 39.7155, 44.2230



38.0889, 39.7155, 11.3492



23.6848, 39.7155, 42.2784



37.4099, 39.7155, 108.7176



# Rectangle

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



56.5020, 39.7155, 44.2230



49.5332, 39.7155, 16.7693



23.6848, 39.7155, 42.2784



27.9989, 39.7155, 88.7401

# Sweetspot

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



56.5031, 39.7175, 44.2237



80.3138, 76.4871, 85.6159



51.9054, 36.1335, 98.8465



16.7956, 15.7473, 17.6831



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.



56.5031, 39.7175, 44.2237



52.0097, 33.1701, 35.2060



55.2530, 43.0511, 25.8222



18.2752, 18.0934, 20.0662



22.5849, 11.5232, 6.4643



2.2487, 1.1418, 0.8909



# Inverse Universe

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



56.5031, 39.7175, 44.2237



52.0097, 33.1701, 35.2060



57.5475, 72.9983, 105.6647



18.2752, 18.0934, 20.0662



22.5849, 11.5232, 6.4643

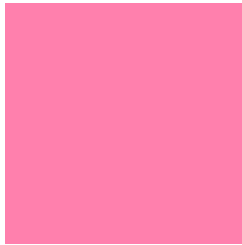


2.2487, 1.1418, 0.8909



# Previews

## White Background



This preview shows how the XYZ color 56.5020, 39.7155, 44.2230 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 56.5020, 39.7155, 44.2230 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 56.5020, 39.7155, 44.2230**

## **Background**



This preview shows how black text looks on a background with the XYZ color 56.5020, 39.7155, 44.2230.



This preview shows how white text looks on a background with the XYZ color 56.5020, 39.7155,



# 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

56.5020, 39.7155, 44.2230

### Protanopia

39.5055, 39.9750, 59.0599

### Deuteranopia

40.7440, 39.9057, 42.1144



## Tritanopia

53.6279, 39.7288, 30.8285

# Trichromacy



## Original Color

56.5020, 39.7155, 44.2230



## Protanomaly

43.6025, 38.3269, 53.2438



## Deuteranomaly

45.3794, 38.9948, 42.6711



## Tritanomaly

54.5920, 39.7183, 35.3609

# Monochromacy



## Original Color

56.5020, 39.7155, 44.2230



## Achromatopsia

38.7082, 40.7240, 44.3485



## Achromatomaly

43.5249, 38.9778, 44.2592

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 56.5020, 39.7155, 44.2230 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, 173)` looks like.

```
.text, #text, p{  
    color:rgb(255, 128, 173)  
}
```

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, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 128, 173) }
```

## Border

The CSS property to change the border of an element to XYZ 56.5020, 39.7155, 44.2230 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, 173) }
```



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

```
.border{ border-color:rgb(255, 128, 173) }
```

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, 173) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 128, 173); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 128, 173);  
box-shadow:4px 4px 4px 4px rgb(255, 128,  
173) }
```

# Background

The CSS property to change the background color of an element to XYZ 56.5020, 39.7155, 44.2230 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, 173) }
```

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

```
.background{ background-color: rgb(255,  
128, 173) }
```

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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