

# Converting Colors

$Y_{xy}(43.6236, 0.3210, 0.2227)$

Have a look what the booklet for  
Yxy(43.6236, 0.3210, 0.2227)  
contains.

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# Color

**Yxy(43.6120, 0.3213, 0.2230)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F688F2
RGB	246, 136, 242
RGB Percent	96%, 53%, 95%
CMY	0.0353, 0.4666, 0.0509
CMYK	0.00, 0.45, 0.02, 0.04
HSL	302°, 86%, 75%
HSV	302°, 45%, 96%
XYZ	62.8365, 43.6120, 89.1210
YIQ	180.9740, 31.5340, 56.2860

# Conversions

## Conversions Part 2

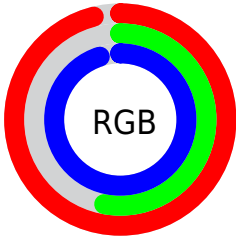
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	246, 136, 242
Decimal	16156914
CIE <sub>Lab</sub>	71.97, 56.40, -35.41
CIE <sub>LCh</sub>	72, 66.596, 327.874
Yxy	43.6120, 0.3213, 0.2230
Android (android.graphics.Color)	4294346994 (0xFFFF688F2)
YUV	180.9740, 30.0858, 57.0278
Hunter-Lab	66.0394, 54.2739, -33.7851

# Details

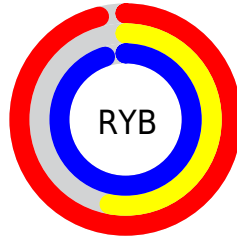
The Yxy color **43.6120, 0.3213, 0.2230** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **73.0350, 0.3042, 0.4644**, and the grayscale version is **46.0172, 0.3127, 0.3290**.

A 20% lighter version of the original color is **66.1793, 0.3156, 0.2673**, and **20.1214, 0.3213, 0.1987** is the 20% darker color. If you saturate the color by 10%, you get **37.4083, 0.3233, 0.2028**, and if you desaturate by 10%, it is **51.4097, 0.3193, 0.2455**.

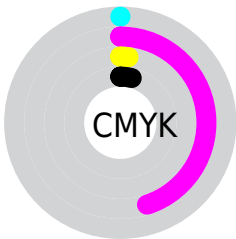
# Distribution



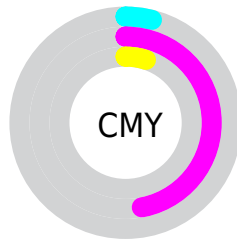
- Red (96%)
- Green (53%)
- Blue (95%)



- Red (96%)
- Yellow (53%)
- Blue (95%)



- Cyan (0%)
- Magenta (45%)
- Yellow (2%)
- Black (4%)




- Cyan (4%)
- Magenta (47%)
- Yellow (5%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 43.6120, 0.3213, 0.2230 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 Yxy color 43.6120, 0.3213, 0.2230 by changing the saturation by 10% instead.





 43.6120, 0.3213,  
0.2230

 43.6120, 0.3213,  
0.2230


361.1226, 0.3189,  
0.2712


 30.3656, 0.3214,  
0.2123


 80.6336, 0.3208,  
0.2395

 20.1163, 0.3213,  
0.1994


 105.1775, 0.3205,  
0.2460

 12.4796, 0.3209,  
0.1833


 134.2561, 0.3202,  
0.2516

 7.0712, 0.3196,  
0.1631

168.2538, 0.3200,  
0.2565

 3.5067, 0.3167,  
0.1371

207.5549, 0.3197,  
0.2608

 1.4016, 0.3103,  
0.1032

252.5438, 0.3194,

 0.2179, 0.3026,

0.2647

0.0362

303.6049, 0.3192,  
0.2681

0.0000, 0.2475,  
0.0000

0.0000, 0.0000,  
0.0000

43.6120, 0.3213,  
0.2230

43.6120, 0.3213,  
0.2230

37.4083, 0.3233,  
0.2028

51.4097, 0.3193,  
0.2455

32.6824, 0.3252,  
0.1860

60.8954, 0.3172,  
0.2695


29.3121, 0.3269,  
0.1731

72.1625, 0.3153,  
0.2938

27.1528, 0.3285,  
0.1646

85.2962, 0.3135,  
0.3179


 26.0272, 0.3297,  
0.1604


 97.7938, 0.3120,  
0.3373

 25.7114, 0.3303,  
0.1593

 97.8487, 0.3115,  
0.3364

 97.9039, 0.3110,  
0.3356

 97.9593, 0.3105,  
0.3347

 98.0150, 0.3100,  
0.3338

# Harmonies

## Analogous

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



43.6120, 0.2354, 0.1954



43.6120, 0.3213, 0.2230



43.6120, 0.4188, 0.2712

# Triad

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



43.6120, 0.3213, 0.2230



43.6120, 0.4483, 0.4626



43.6120, 0.1647, 0.2874

# Complementary

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



43.6120, 0.3213, 0.2230



73.0350, 0.3042, 0.4644

# 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.



43.6120, 0.2073, 0.3892



43.6120, 0.3213, 0.2230



43.6120, 0.3704, 0.5039

# Square

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



43.6120, 0.3213, 0.2230



43.6120, 0.4945, 0.3980



43.6120, 0.2823, 0.4815



43.6120, 0.1567, 0.2213



# Rectangle

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



43.6120, 0.3213, 0.2230



43.6120, 0.4698, 0.3109



43.6120, 0.2823, 0.4815



43.6120, 0.1749, 0.3185

# Sweetspot

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



43.6140, 0.3213, 0.2230



80.5659, 0.3150, 0.2979



29.8114, 0.2305, 0.1898



16.6129, 0.3154, 0.2926



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



43.6140, 0.3213, 0.2230



40.9559, 0.3232, 0.2040



40.8045, 0.3752, 0.2743



16.7573, 0.3144, 0.3065



13.7295, 0.3302, 0.1592



1.2099, 0.3289, 0.1586



# Inverse Universe

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



43.6140, 0.3213, 0.2230



40.9559, 0.3232, 0.2040



75.0670, 0.2769, 0.3928



16.7573, 0.3144, 0.3065



13.7295, 0.3302, 0.1592

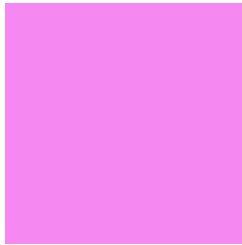


1.2099, 0.3289, 0.1586



# Previews

## White Background



This preview shows how the Yxy color 43.6120, 0.3213, 0.2230 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

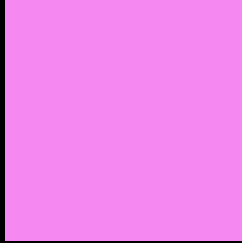
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 43.6120, 0.3213, 0.2230 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

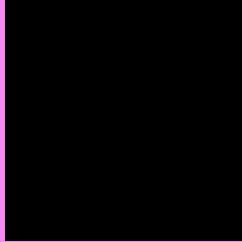
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 43.6120, 0.3213, 0.2230**

## Background



This preview shows how black text looks on a background with the Yxy color 43.6120, 0.3213, 0.2230.

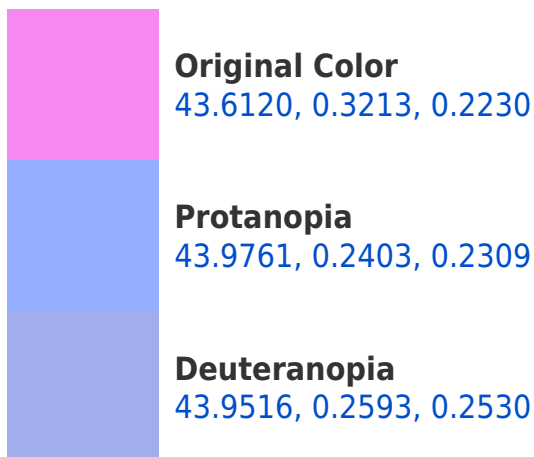


This preview shows how white text looks on a background with the Yxy color 43.6120, 0.3213, 0.2230.

# 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





## Tritanopia

43.3319, 0.3844, 0.3156

# Trichromacy



## Original Color

43.6120, 0.3213, 0.2230



## Protanomaly

42.3580, 0.2648, 0.2251



## Deuteranomaly

42.6521, 0.2791, 0.2381



## Tritanomaly

43.2430, 0.3611, 0.2788

# Monochromacy



## Original Color

43.6120, 0.3213, 0.2230



## Achromatopsia

46.2077, 0.3127, 0.3290



## Achromatomaly

44.2012, 0.3167, 0.2833

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 43.6120, 0.3213, 0.2230 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(246, 136, 242)` looks like.

```
.text, #text, p{  
    color:rgb(246, 136, 242)  
}
```

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(246, 136, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(246, 136, 242) }
```

## Border

The CSS property to change the border of an element to Yxy 43.6120, 0.3213, 0.2230 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(246, 136, 242) }
```

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

```
.border{ border-color:rgb(246, 136, 242) }
```

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

Here you see how a box with a 4 pixel `rgb(246, 136, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(246, 136, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(246, 136, 242);  
box-shadow:4px 4px 4px 4px rgb(246, 136,  
242) }
```



# Background

The CSS property to change the background color of an element to Yxy 43.6120, 0.3213, 0.2230 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(246, 136, 242) }
```

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

```
.background{ background-color: rgb(246,  
136, 242) }
```

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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