

# Converting Colors

Yxy(56.6903, 0.3151, 0.2605)

Have a look what the booklet for  
Yxy(56.6903, 0.3151, 0.2605)  
contains.

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# Color

**Yxy(56.7926, 0.3151, 0.2612)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F2B1F3
RGB	242, 177, 243
RGB Percent	95%, 69%, 95%
CMY	0.0510, 0.3058, 0.0472
CMYK	0.00, 0.27, 0.00, 0.05
HSL	299°, 73%, 82%
HSV	299°, 27%, 95%
XYZ	68.5121, 56.7926, 92.1249
YIQ	203.9590, 17.5540, 34.3060

# Conversions

## Conversions Part 2

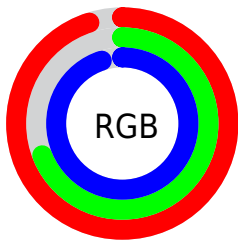
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	242, 177, 243
Decimal	15905267
CIE Lab	80.06, 34.25, -23.54
CIE LCh	80, 41.556, 325.500
Yxy	56.7926, 0.3151, 0.2612
Android (android.graphics.Color)	4294095347 (0xFFFF2B1F3)
YUV	203.9590, 19.2472, 33.3620
Hunter-Lab	75.3609, 30.3964, -19.7265

# Details

The Yxy color **56.7926, 0.3151, 0.2612** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **76.7262, 0.3097, 0.4072**, and the grayscale version is **60.2253, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.7578, 0.3137, 0.3078**, and **28.3174, 0.3144, 0.2461** is the 20% darker color. If you saturate the color by 10%, you get **47.9709, 0.3159, 0.2367**, and if you desaturate by 10%, it is **67.3282, 0.3142, 0.2864**.

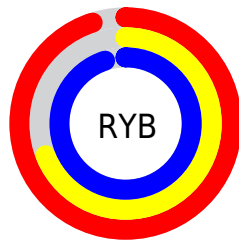
# Distribution



Red (95%)

Green (69%)

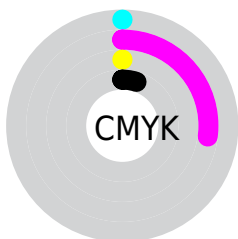
Blue (95%)



Red (95%)

Yellow (69%)

Blue (95%)

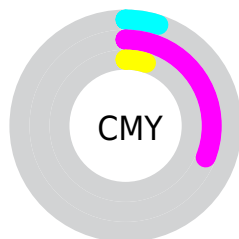


Cyan (0%)

Magenta (27%)

Yellow (0%)

Black (5%)



Cyan (5%)

Magenta (31%)


Yellow (5%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 56.7926, 0.3151, 0.2612 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 56.7926, 0.3151, 0.2612 by changing the saturation by 10% instead.





 56.7926, 0.3151,  
0.2612

 56.7926, 0.3151,  
0.2612


412.6717, 0.3147,  
0.2921

 40.8388, 0.3150,  
0.2543


 100.1625, 0.3151,  
0.2718

 28.1931, 0.3148,  
0.2459


128.3473, 0.3151,  
0.2759

 18.4713, 0.3145,  
0.2353


161.3780, 0.3150,  
0.2795

 11.2889, 0.3138,  
0.2218

199.6388, 0.3149,  
0.2827

 6.2615, 0.3124,  
0.2039

243.5142, 0.3149,  
0.2854

 3.0047, 0.3096,  
0.1792


293.3885, 0.3148,


 1.1342, 0.3032,


0.2879


0.1436


349.6462, 0.3148,  
0.2901


 0.0070, 0.3144,  
0.0026


 0.0000, 0.0000,  
0.0000


 56.7926, 0.3151,  
0.2612


 56.7926, 0.3151,  
0.2612


 47.9709, 0.3159,  
0.2367


 67.3282, 0.3142,  
0.2864


 40.7651, 0.3165,  
0.2139


 79.6542, 0.3134,  
0.3115


 35.0785, 0.3170,  
0.1938

 93.8515, 0.3125,  
0.3358

 30.8013, 0.3174,  
0.1773


 97.1229, 0.3125,  
0.3408


 27.8088, 0.3175,  
0.1649


 97.1876, 0.3127,  
0.3408


 25.9546, 0.3175,  
0.1568


 97.2525, 0.3129,  
0.3408

 25.0498, 0.3172,  
0.1528

 97.3175, 0.3131,  
0.3408

 24.8813, 0.3171,  
0.1521

 97.3826, 0.3134,  
0.3408

 97.4478, 0.3136,  
0.3407

# Harmonies

## Analogous

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



56.7926, 0.2640, 0.2446



56.7926, 0.3151, 0.2612



56.7926, 0.3700, 0.2924

# Triad

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



56.7926, 0.3151, 0.2612



56.7926, 0.4001, 0.4111



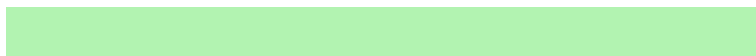
56.7926, 0.2237, 0.3129

# Complementary

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



56.7926, 0.3151, 0.2612



76.7262, 0.3097, 0.4072

# 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.



56.7926, 0.2548, 0.3678



56.7926, 0.3151, 0.2612



56.7926, 0.3563, 0.4280

# Square

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



56.7926, 0.3151, 0.2612



56.7926, 0.4209, 0.3752



56.7926, 0.3030, 0.4130



56.7926, 0.2149, 0.2695



# Rectangle

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



56.7926, 0.3151, 0.2612



56.7926, 0.3996, 0.3187



56.7926, 0.3030, 0.4130



56.7926, 0.2317, 0.3308

# Sweetspot

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



56.7951, 0.3151, 0.2612



87.6102, 0.3134, 0.3093



47.7042, 0.2655, 0.2520



18.2858, 0.3136, 0.3056



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.



56.7951, 0.3151, 0.2612



57.3118, 0.3156, 0.2465



55.2080, 0.3417, 0.2927



16.7550, 0.3136, 0.3057



13.6646, 0.3172, 0.1521



1.2050, 0.3177, 0.1524



# Inverse Universe

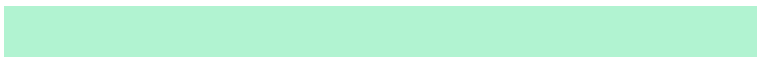
The Inverse Universe completely reimagines the original color for something new.



53.7144, 0.3709, 0.3281



53.3118, 0.3889, 0.3279



78.0336, 0.2912, 0.3685



16.4865, 0.3291, 0.3287



10.4640, 0.6385, 0.3291

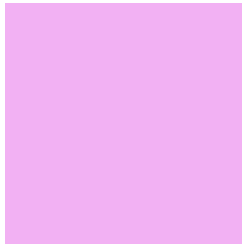


0.9211, 0.6345, 0.3269



# Previews

## White Background



This preview shows how the Yxy color 56.7926, 0.3151, 0.2612 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

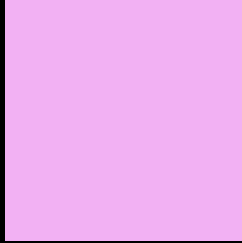
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 56.7926, 0.3151, 0.2612 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

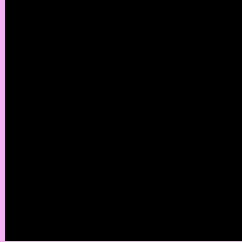
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 56.7926, 0.3151, 0.2612**

## Background



This preview shows how black text looks on a background with the Yxy color 56.7926, 0.3151, 0.2612.

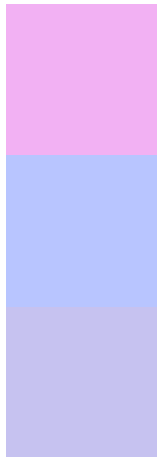


This preview shows how white text looks on a background with the Yxy color 56.7926, 0.3151, 0.2612.

# 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**

56.7926, 0.3151, 0.2612

**Protanopia**

57.3429, 0.2654, 0.2633

**Deuteranopia**

56.8806, 0.2837, 0.2767



## Tritanopia

56.7009, 0.3439, 0.3126

# Trichromacy



## Original Color

56.7926, 0.3151, 0.2612



## Protanomaly

56.7711, 0.2814, 0.2619



## Deuteranomaly

56.6135, 0.2945, 0.2707



## Tritanomaly

56.5909, 0.3328, 0.2925

# Monochromacy



## Original Color

56.7926, 0.3151, 0.2612



## Achromatopsia

60.3827, 0.3127, 0.3290



## Achromatomaly

58.5510, 0.3140, 0.3021

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 56.7926, 0.3151, 0.2612 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(242, 177, 243)` looks like.

```
.text, #text, p{  
    color:rgb(242, 177, 243)  
}
```

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(242, 177, 243) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 177, 243) }
```

## Border

The CSS property to change the border of an element to Yxy 56.7926, 0.3151, 0.2612 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(242, 177, 243) }
```

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

```
.border{ border-color:rgb(242, 177, 243) }
```

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

Here you see how a box with a 4 pixel `rgb(242, 177, 243)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 177, 243); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 177, 243);  
box-shadow:4px 4px 4px 4px rgb(242, 177,  
243) }
```



# Background

The CSS property to change the background color of an element to Yxy 56.7926, 0.3151, 0.2612 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 177, 243) }
```

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

```
.background{ background-color: rgb(242,  
177, 243) }
```

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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