

Converting Colors

$Y_{xy}(80.9490, 0.3743, 0.2741)$

Have a look what the booklet for
Yxy(80.9490, 0.3743, 0.2741)
contains.

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Color

Yxy(63.5336, 0.3166, 0.2623)

Conversions

Conversions Part 1

Format	Color
Hex	FFBAFE
RGB	255, 186, 254
RGB Percent	100%, 73%, 100%
CMY	0.0000, 0.2705, 0.0039
CMYK	0.00, 0.27, 0.00, 0.00
HSL	301°, 100%, 86%
HSV	301°, 27%, 100%
XYZ	76.6860, 63.5336, 101.9977
YIQ	214.3830, 19.2960, 35.7760

Conversions

Conversions Part 2

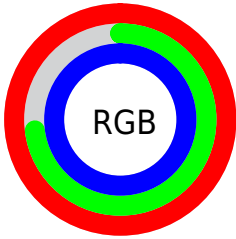
Format	Color
R _Y B	255, 186, 254
Decimal	16759550
CIE Lab	83.72, 35.64, -23.76
CIE LCh	84, 42.830, 326.311
Yxy	63.5336, 0.3166, 0.2623
Android (android.graphics.Color)	4294949630 (0xFFFFBAFE)
YUV	214.3830, 19.5312, 35.6211
Hunter-Lab	79.7080, 32.2436, -20.0744

Details

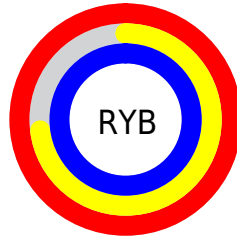
The Yxy color **63.5336, 0.3166, 0.2623** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **85.5395, 0.3085, 0.4062**, and the grayscale version is **67.3745, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.5812, 0.3133, 0.3175**, and **32.4041, 0.3165, 0.2480** is the 20% darker color. If you saturate the color by 10%, you get **53.7105, 0.3181, 0.2382**, and if you desaturate by 10%, it is **75.2792, 0.3151, 0.2872**.

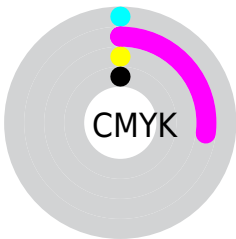
Distribution



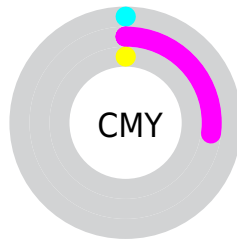
- Red (100%)
- Green (73%)
- Blue (100%)



- Red (100%)
- Yellow (73%)
- Blue (100%)



- Cyan (0%)
- Magenta (27%)
- Yellow (0%)
- Black (0%)





- Cyan (0%)
- Magenta (27%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 63.5336, 0.3166, 0.2623 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 63.5336, 0.3166, 0.2623 by changing the saturation by 10% instead.

 63.5336, 0.3166,
0.2623

 63.5336, 0.3166,
0.2623


437.5034, 0.3155,
0.2921

 46.2730, 0.3167,
0.2558

 109.9390, 0.3163,
0.2724

 32.4613, 0.3167,
0.2479


139.8526, 0.3162,
0.2764

 21.7141, 0.3167,
0.2381


174.7526, 0.3161,
0.2799

 13.6470, 0.3164,
0.2256

215.0235, 0.3159,
0.2829

 7.8755, 0.3157,
0.2094

261.0496, 0.3158,
0.2856

 4.0154, 0.3141,
0.1874

313.2154, 0.3157,

 1.6822, 0.3102,

0.2880

0.1563

371.9052, 0.3156,
0.2901

0.4121, 0.3055,
0.0943

0.0000, 0.1880,
0.0000

63.5336, 0.3166,
0.2623

63.5336, 0.3166,
0.2623

53.7105, 0.3181,
0.2382

75.2792, 0.3151,
0.2872

45.6997, 0.3195,
0.2158

89.0333, 0.3137,
0.3119

39.3925, 0.3209,
0.1960

99.9976, 0.3127,
0.3290

34.6653, 0.3221,
0.1799

■ 31.3779, 0.3230,
0.1679

■ 29.3653, 0.3238,
0.1603

■ 28.4170, 0.3244,
0.1568

■ 28.2471, 0.3245,
0.1561

Harmonies

Analogous

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



63.5336, 0.2655, 0.2454



63.5336, 0.3166, 0.2623



63.5336, 0.3709, 0.2937

Triad

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



63.5336, 0.3166, 0.2623



63.5336, 0.3986, 0.4114



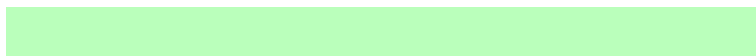
63.5336, 0.2237, 0.3117

Complementary

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



63.5336, 0.3166, 0.2623



85.5395, 0.3085, 0.4062

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.



63.5336, 0.2541, 0.3661



63.5336, 0.3166, 0.2623



63.5336, 0.3547, 0.4273

Square

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



63.5336, 0.3166, 0.2623



63.5336, 0.4200, 0.3760



63.5336, 0.3017, 0.4115



63.5336, 0.2156, 0.2690

Rectangle

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



63.5336, 0.3166, 0.2623



63.5336, 0.3999, 0.3199



63.5336, 0.3017, 0.4115



63.5336, 0.2315, 0.3293

Sweetspot

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



63.5364, 0.3166, 0.2623



87.6493, 0.3138, 0.3096



52.7817, 0.2654, 0.2508



18.2957, 0.3140, 0.3059



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.



63.5364, 0.3166, 0.2623



58.4468, 0.3173, 0.2502



61.5735, 0.3426, 0.2939



18.2957, 0.3140, 0.3059



14.7634, 0.3245, 0.1561



1.4388, 0.3240, 0.1559

Inverse Universe

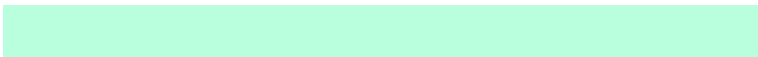
The Inverse Universe completely reimagines the original color for something new.



63.5364, 0.3166, 0.2623



58.4468, 0.3173, 0.2502



87.1461, 0.2906, 0.3671



18.2957, 0.3140, 0.3059



14.7634, 0.3245, 0.1561



1.4388, 0.3240, 0.1559

Previews

White Background



This preview shows how the Yxy color 63.5336, 0.3166, 0.2623 looks on a white background.

Color Contrast Check

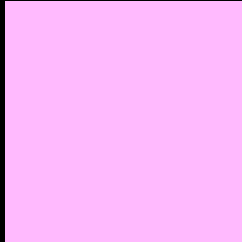
Large Text (above 18pt) WCAG AA × Fail

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 63.5336, 0.3166, 0.2623 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

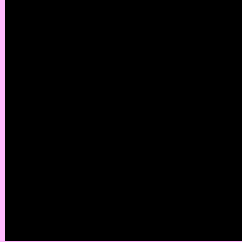
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 63.5336, 0.3166, 0.2623

Background



This preview shows how black text looks on a background with the Yxy color 63.5336, 0.3166, 0.2623.



This preview shows how white text looks on a background with the Yxy color 63.5336, 0.3166, 0.2623.

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

63.5336, 0.3166, 0.2623

Protanopia

63.7160, 0.2748, 0.2762

Deuteranopia

63.7061, 0.2850, 0.2780



Tritanopia

63.3268, 0.3458, 0.3134

Trichromacy



Original Color

63.5336, 0.3166, 0.2623



Protanomaly

62.9723, 0.2885, 0.2696



Deuteranomaly

63.1295, 0.2961, 0.2713



Tritanomaly

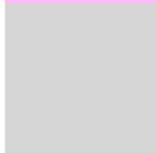
63.2071, 0.3351, 0.2942

Monochromacy



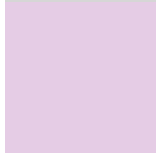
Original Color

63.5336, 0.3166, 0.2623



Achromatopsia

67.2443, 0.3127, 0.3290



Achromatomaly

65.5009, 0.3140, 0.3022

CSS Examples

Text

The CSS property to change the color of the text to Yxy 63.5336, 0.3166, 0.2623 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, 186, 254)` looks like.

```
.text, #text, p{  
    color:rgb(255, 186, 254)  
}
```

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, 186, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 186, 254) }
```

Border

The CSS property to change the border of an element to Yxy 63.5336, 0.3166, 0.2623 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, 186, 254) }
```

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

```
.border{ border-color:rgb(255, 186, 254) }
```

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

Here you see how a box with a 4 pixel rgb(255, 186, 254) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 186, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 186, 254);  
box-shadow:4px 4px 4px 4px rgb(255, 186,  
254) }
```


Background

The CSS property to change the background color of an element to Yxy 63.5336, 0.3166, 0.2623 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 186, 254) }
```

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

```
.background{ background-color: rgb(255,  
186, 254) }
```

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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