

Converting Colors

Yxy(64.7035, 0.3163, 0.2647)

Have a look what the booklet for
Yxy(64.7035, 0.3163, 0.2647)
contains.

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Color

Yxy(64.8109, 0.3165, 0.2653)

Conversions

Conversions Part 1

Format	Color
Hex	FFBDFE
RGB	255, 189, 254
RGB Percent	100%, 74%, 100%
CMY	0.0000, 0.2588, 0.0041
CMYK	0.00, 0.26, 0.00, 0.00
HSL	301°, 100%, 87%
HSV	301°, 26%, 100%
XYZ	77.3187, 64.8109, 102.1633
YIQ	216.1440, 18.4710, 34.2070

Conversions

Conversions Part 2

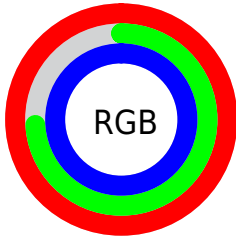
Format	Color
R _Y B	255, 189, 254
Decimal	16760318
CIE _{Lab}	84.39, 34.05, -22.72
CIE _{LCh}	84, 40.935, 326.290
Yxy	64.8109, 0.3165, 0.2653
Android (android.graphics.Color)	4294950398 (0xFFFFBDFE)
YUV	216.1440, 18.6630, 34.0767
Hunter-Lab	80.5052, 30.5506, -18.8869

Details

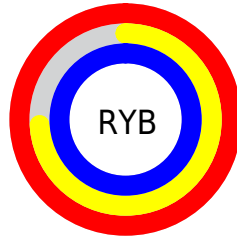
The Yxy color $64.8109, 0.3165, 0.2653$ is a light color, and the websafe version is hex `FFCCFF`. A complement of this color would be $86.0559, 0.3087, 0.4022$, and the grayscale version is $68.6345, 0.3127, 0.3290$.

A 20% lighter version of the original color is $94.3915, 0.3131, 0.3204$, and $33.3649, 0.3173, 0.2519$ is the 20% darker color. If you saturate the color by 10%, you get $54.7643, 0.3180, 0.2411$, and if you desaturate by 10%, it is $76.7917, 0.3150, 0.2902$.

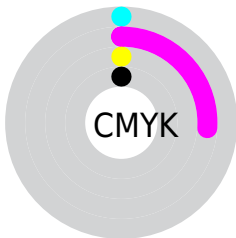
Distribution



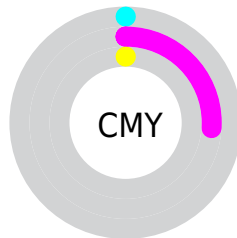
- Red (100%)
- Green (74%)
- Blue (100%)



- Red (100%)
- Yellow (74%)
- Blue (100%)



- Cyan (0%)
- Magenta (26%)
- Yellow (0%)
- Black (0%)





- Cyan (0%)
- Magenta (26%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 64.8109, 0.3165, 0.2653 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 64.8109, 0.3165, 0.2653 by changing the saturation by 10% instead.


 64.8109, 0.3165,
0.2653

 64.8109, 0.3165,
0.2653

442.1121, 0.3154,
0.2937

 47.3078, 0.3166,
0.2591


 111.7779, 0.3162,
0.2749

 33.2790, 0.3167,
0.2515


142.0106, 0.3161,
0.2788

 22.3403, 0.3167,
0.2421


177.2553, 0.3160,
0.2821

 14.1071, 0.3165,
0.2303

217.8964, 0.3158,
0.2850

 8.1952, 0.3159,
0.2147

264.3182, 0.3157,
0.2875

 4.2201, 0.3145,
0.1936


316.9051, 0.3156,


 1.7974, 0.3112,


0.2898


0.1637


376.0416, 0.3155,
0.2919


 0.4856, 0.3062,
0.1079

 0.0000, 0.2088,
0.0000


 64.8109, 0.3165,
0.2653


 64.8109, 0.3165,
0.2653

 54.7643, 0.3180,
0.2411

 76.7917, 0.3150,
0.2902

 46.5424, 0.3195,
0.2184

 90.7918, 0.3135,
0.3148

 40.0380, 0.3209,
0.1983

99.9985, 0.3127,
0.3290

 35.1289, 0.3222,
0.1817

■ 31.6773, 0.3232,
0.1693

■ 29.5217, 0.3241,
0.1612

■ 28.4619, 0.3247,
0.1572

■ 28.2229, 0.3249,
0.1564

Harmonies

Analogous

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



64.8109, 0.2678, 0.2491



64.8109, 0.3165, 0.2653



64.8109, 0.3680, 0.2954

Triad

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



64.8109, 0.3165, 0.2653



64.8109, 0.3945, 0.4076



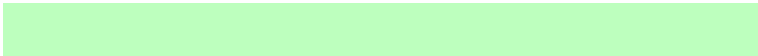
64.8109, 0.2279, 0.3128

Complementary

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



64.8109, 0.3165, 0.2653



86.0559, 0.3087, 0.4022

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.



64.8109, 0.2571, 0.3642



64.8109, 0.3165, 0.2653



64.8109, 0.3529, 0.4222

Square

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



64.8109, 0.3165, 0.2653



64.8109, 0.4147, 0.3742



64.8109, 0.3025, 0.4070



64.8109, 0.2200, 0.2721

Rectangle

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



64.8109, 0.3165, 0.2653



64.8109, 0.3954, 0.3205



64.8109, 0.3025, 0.4070



64.8109, 0.2354, 0.3295

Sweetspot

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



64.8137, 0.3165, 0.2653



87.6473, 0.3138, 0.3096



54.4426, 0.2678, 0.2547



18.2952, 0.3141, 0.3060



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.



64.8137, 0.3165, 0.2653



59.4314, 0.3173, 0.2527



62.9349, 0.3410, 0.2955



18.2952, 0.3141, 0.3060



14.7504, 0.3249, 0.1563



1.4377, 0.3244, 0.1561

Inverse Universe

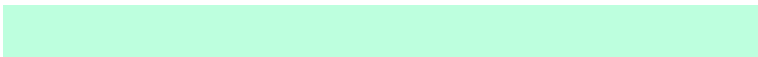
The Inverse Universe completely reimagines the original color for something new.



64.8137, 0.3165, 0.2653



59.4314, 0.3173, 0.2527



87.6101, 0.2915, 0.3652



18.2952, 0.3141, 0.3060



14.7504, 0.3249, 0.1563



1.4377, 0.3244, 0.1561

Previews

White Background



This preview shows how the Yxy color 64.8109, 0.3165, 0.2653 looks on a white background.

Color Contrast Check

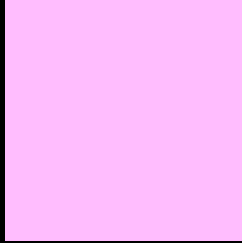
Large Text (above 18pt) WCAG AA × Fail

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 64.8109, 0.3165, 0.2653 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

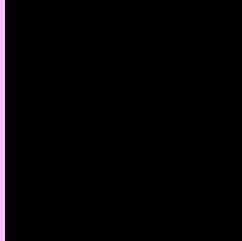
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 64.8109, 0.3165, 0.2653

Background



This preview shows how black text looks on a background with the Yxy color 64.8109, 0.3165, 0.2653.



This preview shows how white text looks on a background with the Yxy color 64.8109, 0.3165, 0.2653.

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

64.8109, 0.3165, 0.2653

Protanopia

65.1003, 0.2769, 0.2788

Deuteranopia

65.1047, 0.2871, 0.2805



Tritanopia

64.8257, 0.3429, 0.3135

Trichromacy



Original Color

64.8109, 0.3165, 0.2653



Protanomaly

64.6767, 0.2900, 0.2731



Deuteranomaly

64.8308, 0.2976, 0.2748



Tritanomaly

64.6389, 0.3332, 0.2953

Monochromacy



Original Color

64.8109, 0.3165, 0.2653



Achromatopsia

68.6685, 0.3127, 0.3290



Achromatomaly

66.6788, 0.3139, 0.3034

CSS Examples

Text

The CSS property to change the color of the text to Yxy 64.8109, 0.3165, 0.2653 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, 189, 254)` looks like.

```
.text, #text, p{  
    color:rgb(255, 189, 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, 189, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 189, 254) }
```

Border

The CSS property to change the border of an element to Yxy 64.8109, 0.3165, 0.2653 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, 189, 254) }
```

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

```
.border{ border-color:rgb(255, 189, 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, 189, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 189, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 189, 254);  
box-shadow:4px 4px 4px 4px rgb(255, 189,  
254) }
```


Background

The CSS property to change the background color of an element to Yxy 64.8109, 0.3165, 0.2653 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 189, 254) }
```

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

```
.background{ background-color: rgb(255,  
189, 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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