

# Converting Colors

$Yxy(66.3896, 0.3223, 0.2776)$

Have a look what the booklet for  
Yxy(66.3896, 0.3223, 0.2776)  
contains.

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# Color

**Yxy(66.4974, 0.3220, 0.2775)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFC2F6
RGB	255, 194, 246
RGB Percent	100%, 76%, 96%
CMY	0.0001, 0.2392, 0.0352
CMYK	0.00, 0.24, 0.04, 0.00
HSL	309°, 100%, 88%
HSV	309°, 24%, 100%
XYZ	77.1609, 66.4974, 95.9719
YIQ	218.1670, 19.6640, 29.1040

# Conversions

## Conversions Part 2

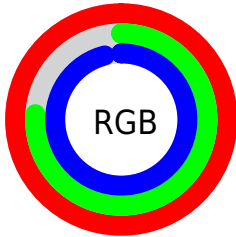
Format	Color
R <sub>Y</sub> B	255, 194, 246
Decimal	16761590
CIE Lab	85.25, 30.01, -17.19
CIE LCh	85, 34.588, 330.195
Yxy	66.4974, 0.3220, 0.2775
Android (android.graphics.Color)	4294951670 (0xFFFFC2F6)
YUV	218.1670, 13.7217, 32.3025
Hunter-Lab	81.5459, 26.1961, -12.6966

# Details

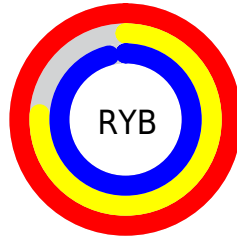
The Yxy color **66.4974, 0.3220, 0.2775** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **87.2848, 0.3046, 0.3866**, and the grayscale version is **70.1270, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.4744, 0.3129, 0.3252**, and **34.4796, 0.3238, 0.2660** is the 20% darker color. If you saturate the color by 10%, you get **55.8791, 0.3267, 0.2557**, and if you desaturate by 10%, it is **79.0732, 0.3178, 0.2994**.

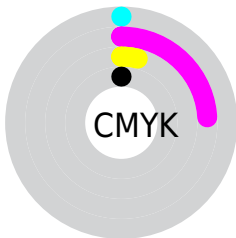
# Distribution



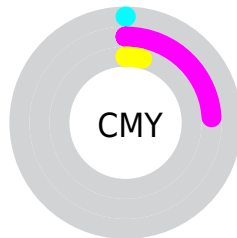
- Red (100%)
- Green (76%)
- Blue (96%)



- Red (100%)
- Yellow (76%)
- Blue (96%)



- Cyan (0%)
- Magenta (24%)
- Yellow (4%)
- Black (0%)




- Cyan (0%)
- Magenta (24%)
- Yellow (4%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 66.4974, 0.3220, 0.2775 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 66.4974, 0.3220, 0.2775 by changing the saturation by 10% instead.




 66.4974, 0.3220,  
0.2775

 66.4974, 0.3220,  
0.2775

448.1537, 0.3181,  
0.3006

 48.6763, 0.3228,  
0.2724


 114.1999, 0.3207,  
0.2854

 34.3628, 0.3237,  
0.2661


144.8502, 0.3202,  
0.2885

 23.1724, 0.3249,  
0.2584


180.5455, 0.3198,  
0.2912

 14.7209, 0.3262,  
0.2485

221.6705, 0.3193,  
0.2936

 8.6237, 0.3278,  
0.2354

268.6094, 0.3190,  
0.2956

 4.4966, 0.3298,  
0.2173

321.7466, 0.3187,

 1.9550, 0.3319,

0.2975

0.1909

381.4666, 0.3184,  
0.2991

0.5812, 0.3359,  
0.1427

0.0000, 0.2700,  
0.0000

66.4974, 0.3220,  
0.2775

66.4974, 0.3220,  
0.2775

55.8791, 0.3267,  
0.2557

79.0732, 0.3178,  
0.2994

47.1102, 0.3319,  
0.2349

93.6902, 0.3140,  
0.3209

40.0855, 0.3374,  
0.2160

99.9950, 0.3127,  
0.3290

34.6854, 0.3431,  
0.2001

■ 30.7757, 0.3489,  
0.1880

■ 28.2003, 0.3545,  
0.1804

■ 26.7687, 0.3597,  
0.1773

■ 26.2919, 0.3628,  
0.1772

# Harmonies

## Analogous

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



66.4974, 0.2799, 0.2619



66.4974, 0.3220, 0.2775



66.4974, 0.3641, 0.3047

# Triad

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



66.4974, 0.3220, 0.2775



66.4974, 0.3782, 0.3982



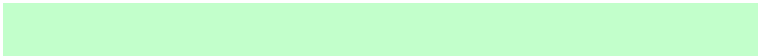
66.4974, 0.2389, 0.3109

# Complementary

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



66.4974, 0.3220, 0.2775



87.2848, 0.3046, 0.3866

# 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.



66.4974, 0.2619, 0.3530



66.4974, 0.3220, 0.2775



66.4974, 0.3418, 0.4063

# Square

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



66.4974, 0.3220, 0.2775



66.4974, 0.3974, 0.3724



66.4974, 0.2992, 0.3898



66.4974, 0.2344, 0.2782



# Rectangle

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



66.4974, 0.3220, 0.2775



66.4974, 0.3853, 0.3269



66.4974, 0.2992, 0.3898



66.4974, 0.2446, 0.3245

# Sweetspot

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



66.5003, 0.3220, 0.2775



88.9675, 0.3151, 0.3143



58.3851, 0.2772, 0.2621



18.8495, 0.3154, 0.3130



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.



66.5003, 0.3220, 0.2775



60.8681, 0.3243, 0.2663



64.8222, 0.3447, 0.3062



18.2518, 0.3161, 0.3090



13.7588, 0.3620, 0.1768



1.3516, 0.3566, 0.1738



# Inverse Universe

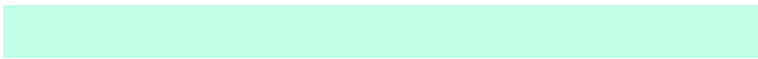
The Inverse Universe completely reimagines the original color for something new.



66.5003, 0.3220, 0.2775



60.8681, 0.3243, 0.2663



88.8361, 0.2888, 0.3531



18.2518, 0.3161, 0.3090



13.7588, 0.3620, 0.1768



1.3516, 0.3566, 0.1738



# Previews

## White Background



This preview shows how the Yxy color 66.4974, 0.3220, 0.2775 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

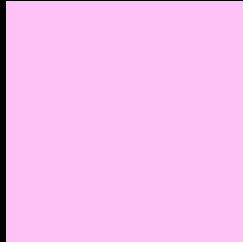
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 66.4974, 0.3220, 0.2775 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

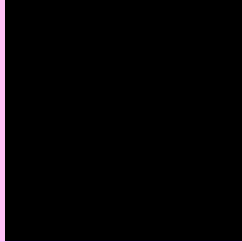
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 66.4974, 0.3220, 0.2775**

## **Background**



This preview shows how black text looks on a background with the Yxy color 66.4974, 0.3220, 0.2775.



This preview shows how white text looks on a background with the Yxy color 66.4974, 0.3220, 0.2775.

# 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

66.4974, 0.3220, 0.2775

### Protanopia

66.6459, 0.2797, 0.2814

### Deuteranopia

66.7985, 0.2979, 0.2915



## Tritanopia

66.7241, 0.3417, 0.3136

# Trichromacy



## Original Color

66.4974, 0.3220, 0.2775



## Protanomaly

66.3789, 0.2941, 0.2796



## Deuteranomaly

66.5672, 0.3066, 0.2863



## Tritanomaly

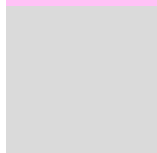
66.5746, 0.3343, 0.3005

# Monochromacy



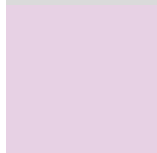
## Original Color

66.4974, 0.3220, 0.2775



## Achromatopsia

70.1102, 0.3127, 0.3290



## Achromatomaly

68.1913, 0.3159, 0.3088

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 66.4974, 0.3220, 0.2775 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, 194, 246)` looks like.

```
.text, #text, p{  
    color:rgb(255, 194, 246)  
}
```

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, 194, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 194, 246) }
```

## Border

The CSS property to change the border of an element to Yxy 66.4974, 0.3220, 0.2775 is called "border". The border property can be set on classes, ids or directly on the HTML element.

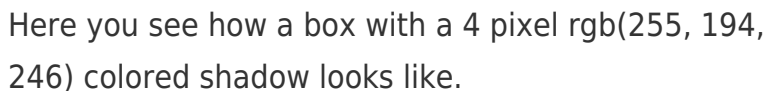
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(255, 194, 246) }
```

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

```
.border{ border-color:rgb(255, 194, 246) }
```

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



Here you see how a box with a 4 pixel `rgb(255, 194, 246)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 194, 246); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 194, 246);  
box-shadow:4px 4px 4px 4px rgb(255, 194,  
246) }
```



# Background

The CSS property to change the background color of an element to Yxy 66.4974, 0.3220, 0.2775 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 194, 246) }
```

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

```
.background{ background-color: rgb(255,  
194, 246) }
```

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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