

# Converting Colors

$Y_{xy}(100.0000, 0.3200, 0.2517)$

Have a look what the booklet for  
Yxy(100.0000, 0.3200, 0.2517)  
contains.

<b>Yxy(79.6664, 0.3143, 0.2950)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# Color

**Yxy(79.6664, 0.3143, 0.2950)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFDCFF
RGB	255, 220, 255
RGB Percent	100%, 86%, 100%
CMY	0.0001, 0.1372, 0.0000
CMYK	0.00, 0.14, 0.00, 0.00
HSL	300°, 100%, 93%
HSV	300°, 14%, 100%
XYZ	84.8785, 79.6664, 105.5107
YIQ	234.4550, 9.6250, 18.3050

# Conversions

## Conversions Part 2

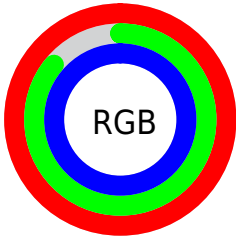
Format	Color
RYB	255, 220, 255
Decimal	16768255
CIELab	91.53, 17.98, -12.51
CIELCh	92, 21.903, 325.174
Yxy	79.6664, 0.3143, 0.2950
Android (android.graphics.Color)	4294958335 (0xFFFFDCFF)
YUV	234.4550, 10.1287, 18.0180
Hunter-Lab	89.2560, 13.5474, -7.6083

# Details

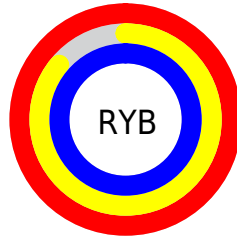
The Yxy color **79.6664, 0.3143, 0.2950** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **91.9079, 0.3110, 0.3655**, and the grayscale version is **82.5595, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **42.9933, 0.3146, 0.2882** is the 20% darker color. If you saturate the color by 10%, you get **67.2869, 0.3155, 0.2698**, and if you desaturate by 10%, it is **94.0943, 0.3131, 0.3199**.

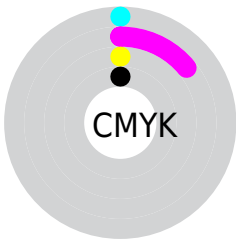
# Distribution



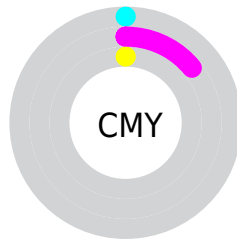
- Red (100%)
- Green (86%)
- Blue (100%)



- Red (100%)
- Yellow (86%)
- Blue (100%)



- Cyan (0%)
- Magenta (14%)
- Yellow (0%)
- Black (0%)




- Cyan (0%)
- Magenta (14%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 79.6664, 0.3143, 0.2950 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 79.6664, 0.3143, 0.2950 by changing the saturation by 10% instead.




 79.6664, 0.3143,  
0.2950

 79.6664, 0.3143,  
0.2950


493.8079, 0.3138,  
0.3101

 59.4439, 0.3144,  
0.2917


132.8966, 0.3141,  
0.3001

 42.9705, 0.3145,  
0.2877

166.6731, 0.3141,  
0.3021

 29.8620, 0.3145,  
0.2828


205.7363, 0.3140,  
0.3039

 19.7339, 0.3146,  
0.2765

250.4707, 0.3140,  
0.3054

 12.2017, 0.3146,  
0.2683

301.2607, 0.3139,  
0.3068

 6.8812, 0.3144,  
0.2570

358.4906, 0.3139,

 3.3879, 0.3139,

0.3080

0.2407

422.5449, 0.3138,  
0.3091

■ 1.3375, 0.3123,  
0.2152

■ 0.1699, 0.3276,  
0.0927

■ 79.6664, 0.3143,  
0.2950

■ 79.6664, 0.3143,  
0.2950

■ 67.2869, 0.3155,  
0.2698

■ 94.0943, 0.3131,  
0.3199

■ 56.8533, 0.3166,  
0.2450

100.0000, 0.3127,  
0.3290

■ 48.2698, 0.3177,  
0.2217

■ 41.4283, 0.3187,  
0.2008

■ 36.2098, 0.3195,  
0.1832

■ 32.4801, 0.3201,  
0.1697

■ 30.0838, 0.3205,  
0.1605

■ 28.8311, 0.3207,  
0.1556

■ 28.4588, 0.3208,  
0.1541

# Harmonies

## Analogous

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



79.6664, 0.2895, 0.2869



79.6664, 0.3143, 0.2950



79.6664, 0.3396, 0.3113

# Triad

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



79.6664, 0.3143, 0.2950



79.6664, 0.3550, 0.3691



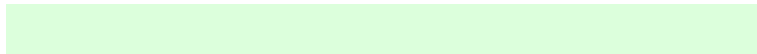
79.6664, 0.2694, 0.3231

# Complementary

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



79.6664, 0.3143, 0.2950



91.9079, 0.3110, 0.3655

# 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.



79.6664, 0.2857, 0.3473



79.6664, 0.3143, 0.2950



79.6664, 0.3350, 0.3745

# Square

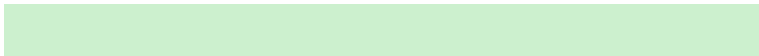
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



79.6664, 0.3143, 0.2950



79.6664, 0.3636, 0.3532



79.6664, 0.3095, 0.3667



79.6664, 0.2643, 0.3019



# Rectangle

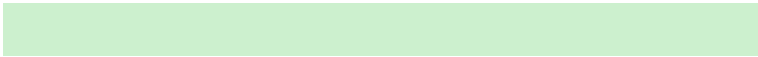
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



79.6664, 0.3143, 0.2950



79.6664, 0.3531, 0.3249



79.6664, 0.3095, 0.3667



79.6664, 0.2737, 0.3312

# Sweetspot

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



79.6698, 0.3143, 0.2950



93.6630, 0.3132, 0.3192



73.9369, 0.2906, 0.2931



19.8008, 0.3133, 0.3174



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.



79.6698, 0.3143, 0.2950



76.6710, 0.3146, 0.2893



78.6310, 0.3256, 0.3111



18.3000, 0.3138, 0.3056



14.8705, 0.3208, 0.1541



1.4480, 0.3208, 0.1541



# Inverse Universe

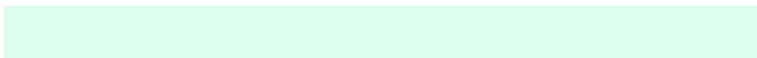
The Inverse Universe completely reimagines the original color for something new.



77.6215, 0.3381, 0.3291



74.3206, 0.3432, 0.3291



92.8474, 0.3015, 0.3476



17.9872, 0.3295, 0.3290



11.1090, 0.6400, 0.3299



1.0817, 0.6399, 0.3299



# Previews

## White Background



This preview shows how the Yxy color 79.6664, 0.3143, 0.2950 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

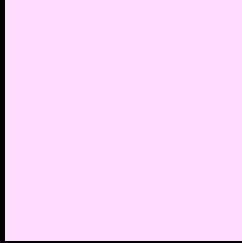
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 79.6664, 0.3143, 0.2950 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

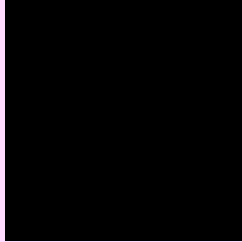
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

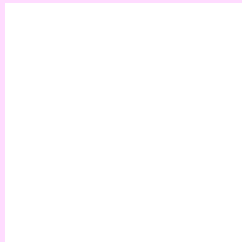
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 79.6664, 0.3143, 0.2950**

## Background



This preview shows how black text looks on a background with the Yxy color 79.6664, 0.3143, 0.2950.

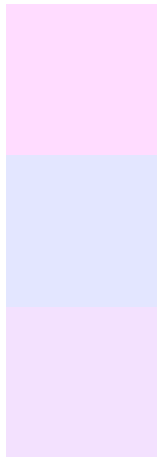


This preview shows how white text looks on a background with the Yxy color 79.6664, 0.3143, 0.2950.

# 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

79.6664, 0.3143, 0.2950

### Protanopia

80.1445, 0.2954, 0.3034

### Deuteranopia

80.0609, 0.3066, 0.3001



## Tritanopia

79.9493, 0.3226, 0.3122

# Trichromacy



## Original Color

79.6664, 0.3143, 0.2950

## Protanomaly

79.6172, 0.3019, 0.2998

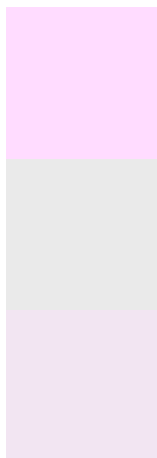
## Deuteranomaly

79.7053, 0.3093, 0.2984

## Tritanomaly

79.9060, 0.3201, 0.3064

# Monochromacy



## Original Color

79.6664, 0.3143, 0.2950

## Achromatopsia

82.2786, 0.3127, 0.3290

## Achromatomaly

81.3267, 0.3133, 0.3159

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 79.6664, 0.3143, 0.2950 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, 220, 255)` looks like.

```
.text, #text, p{  
    color:rgb(255, 220, 255)  
}
```

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, 220, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 220, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 79.6664, 0.3143, 0.2950 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, 220, 255) }
```

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

```
.border{ border-color:rgb(255, 220, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 220, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 220, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 220, 255);  
box-shadow:4px 4px 4px 4px rgb(255, 220,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 79.6664, 0.3143, 0.2950 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 220, 255) }
```

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

```
.background{ background-color: rgb(255,  
220, 255) }
```

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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