

# Converting Colors

$Yxy(88.8619, 0.3536, 0.3065)$

Have a look what the booklet for  
Yxy(88.8619, 0.3536, 0.3065)  
contains.

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# Color

**Yxy(79.1002, 0.3203, 0.3035)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFDCF6
RGB	255, 220, 246
RGB Percent	100%, 86%, 96%
CMY	0.0000, 0.1373, 0.0353
CMYK	0.00, 0.14, 0.04, 0.00
HSL	315°, 100%, 93%
HSV	315°, 14%, 100%
XYZ	83.4787, 79.1002, 98.0478
YIQ	233.4290, 12.5140, 15.5060

# Conversions

## Conversions Part 2

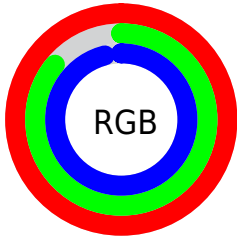
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	255, 220, 246
Decimal	16768246
CIE <sub>Lab</sub>	91.28, 16.42, -8.17
CIE <sub>LCh</sub>	91, 18.339, 333.551
Yxy	79.1002, 0.3203, 0.3035
Android (android.graphics.Color)	4294958326 (0xFFFFDCE6)
YUV	233.4290, 6.1975, 18.9178
Hunter-Lab	88.9383, 11.9006, -3.1059

# Details

The Yxy color **79.1002, 0.3203, 0.3035** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **92.3914, 0.3059, 0.3559**, and the grayscale version is **81.7648, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **42.6337, 0.3215, 0.2977** is the 20% darker color. If you saturate the color by 10%, you get **66.3197, 0.3269, 0.2842**, and if you desaturate by 10%, it is **93.9256, 0.3146, 0.3222**.

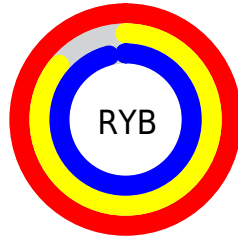
# Distribution



Red (100%)

Green (86%)

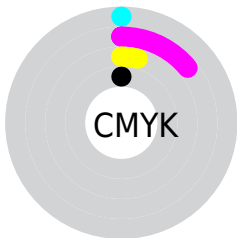
Blue (96%)



Red (100%)

Yellow (86%)

Blue (96%)

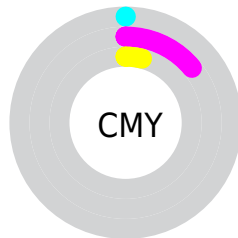


Cyan (0%)

Magenta (14%)

Yellow (4%)

Black (0%)



Cyan (0%)

Magenta (14%)


Yellow (4%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 79.1002, 0.3203, 0.3035 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 79.1002, 0.3203, 0.3035 by changing the saturation by 10% instead.




 79.1002, 0.3203,  
0.3035

 79.1002, 0.3203,  
0.3035


491.8953, 0.3170,  
0.3149

 58.9782, 0.3210,  
0.3010


132.0999, 0.3192,  
0.3074

 42.5956, 0.3219,  
0.2979

165.7464, 0.3187,  
0.3089

 29.5679, 0.3230,  
0.2941


204.6699, 0.3183,  
0.3102

 19.5109, 0.3244,  
0.2893

249.2547, 0.3180,  
0.3114

 12.0400, 0.3262,  
0.2829

299.8852, 0.3177,  
0.3124

 6.7709, 0.3286,  
0.2740

356.9459, 0.3174,

 3.3193, 0.3321,

0.3133

0.2610

420.8211, 0.3172,  
0.3141

■ 1.3006, 0.3376,  
0.2400

■ 0.1417, 0.3818,  
0.1010

■ 79.1002, 0.3203,  
0.3035

■ 79.1002, 0.3203,  
0.3035

■ 66.3197, 0.3269,  
0.2842

■ 93.9256, 0.3146,  
0.3222

■ 55.5080, 0.3345,  
0.2648

100.0000, 0.3127,  
0.3290

■ 46.5602, 0.3430,  
0.2461

■ 39.3682, 0.3525,  
0.2290

■ 33.8127, 0.3627,  
0.2146

■ 29.7594, 0.3733,  
0.2040

■ 27.0526, 0.3840,  
0.1979

■ 25.5024, 0.3944,  
0.1968

■ 24.9504, 0.4007,  
0.1981

# Harmonies

## Analogous

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



79.1002, 0.2987, 0.2945



79.1002, 0.3203, 0.3035



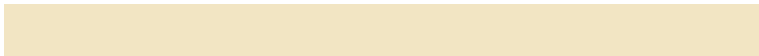
79.1002, 0.3404, 0.3188

# Triad

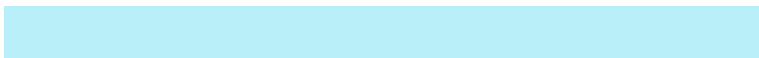
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



79.1002, 0.3203, 0.3035



79.1002, 0.3443, 0.3650



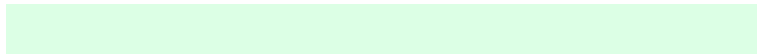
79.1002, 0.2739, 0.3188

# Complementary

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



79.1002, 0.3203, 0.3035



92.3914, 0.3059, 0.3559

# 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.



79.1002, 0.2853, 0.3389



79.1002, 0.3203, 0.3035



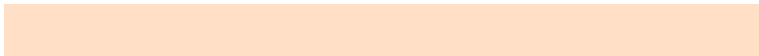
79.1002, 0.3258, 0.3663

# Square

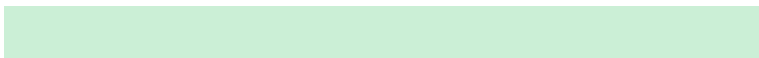
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



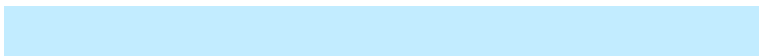
79.1002, 0.3203, 0.3035



79.1002, 0.3545, 0.3539



79.1002, 0.3042, 0.3567



79.1002, 0.2725, 0.3025



# Rectangle

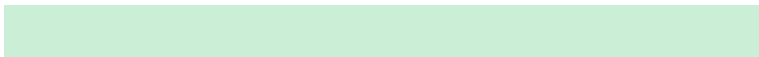
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



79.1002, 0.3203, 0.3035



79.1002, 0.3500, 0.3309



79.1002, 0.3042, 0.3567



79.1002, 0.2767, 0.3253

# Sweetspot

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



79.0948, 0.3203, 0.3035



93.4959, 0.3147, 0.3217



75.0174, 0.2964, 0.2931



19.7584, 0.3151, 0.3204



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.



79.0948, 0.3203, 0.3035



76.0165, 0.3217, 0.2991



78.0844, 0.3320, 0.3203



18.2158, 0.3178, 0.3115



13.0627, 0.3991, 0.1972



1.2896, 0.3882, 0.1912



# Inverse Universe

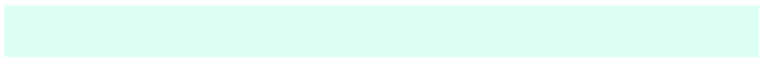
The Inverse Universe completely reimagines the original color for something new.



79.0948, 0.3203, 0.3035



76.0165, 0.3217, 0.2991



93.4033, 0.2964, 0.3379



18.2158, 0.3178, 0.3115



13.0627, 0.3991, 0.1972



1.2896, 0.3882, 0.1912



# Previews

## White Background



This preview shows how the Yxy color 79.1002, 0.3203, 0.3035 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 79.1002, 0.3203, 0.3035 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

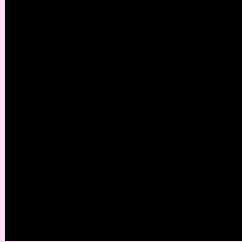
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 79.1002, 0.3203, 0.3035**

## Background



This preview shows how black text looks on a background with the Yxy color 79.1002, 0.3203, 0.3035.



This preview shows how white text looks on a background with the Yxy color 79.1002, 0.3203, 0.3035.

# 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

79.1002, 0.3203, 0.3035

### Protanopia

79.4976, 0.2984, 0.3064

### Deuteranopia

78.9608, 0.3144, 0.3070



## Tritanopia

79.0157, 0.3242, 0.3112

# Trichromacy



## Original Color

79.1002, 0.3203, 0.3035

## Protanomaly

79.4094, 0.3063, 0.3057

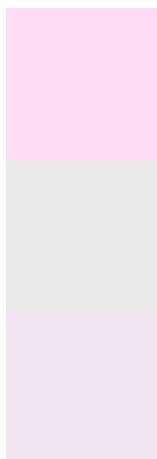
## Deuteranomaly

78.9749, 0.3166, 0.3061

## Tritanomaly

79.1945, 0.3222, 0.3083

# Monochromacy



## Original Color

79.1002, 0.3203, 0.3035

## Achromatopsia

81.4847, 0.3127, 0.3290

## Achromatomaly

80.3606, 0.3153, 0.3189

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 79.1002, 0.3203, 0.3035 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, 246)` looks like.

```
.text, #text, p{  
    color:rgb(255, 220, 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, 220, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 220, 246) }
```

## Border

The CSS property to change the border of an element to Yxy 79.1002, 0.3203, 0.3035 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, 246) }
```

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

```
.border{ border-color:rgb(255, 220, 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, 220, 246)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 220, 246); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 220, 246);  
box-shadow:4px 4px 4px 4px rgb(255, 220,  
246) }
```



# Background

The CSS property to change the background color of an element to Yxy 79.1002, 0.3203, 0.3035 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, 246) }
```

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

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