

# Converting Colors

$Y_{xy}(100.0000, 0.3274, 0.2672)$

Have a look what the booklet for  
Yxy(100.0000, 0.3274, 0.2672)  
contains.

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# Color

**Yxy(82.3304, 0.3141, 0.2999)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFE1FF
RGB	255, 225, 255
RGB Percent	100%, 88%, 100%
CMY	0.0000, 0.1177, 0.0000
CMYK	0.00, 0.12, 0.00, 0.00
HSL	300°, 100%, 94%
HSV	300°, 12%, 100%
XYZ	86.2287, 82.3304, 105.9671
YIQ	237.3900, 8.2500, 15.6900

# Conversions

## Conversions Part 2

<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	255, 225, 255
Decimal	16769535
CIE <sub>Lab</sub>	92.72, 15.41, -10.75
CIE <sub>LCh</sub>	93, 18.788, 325.101
Y <sub>xy</sub>	82.3304, 0.3141, 0.2999
Android (android.graphics.Color)	4294959615 (0xFFFFE1FF)
Y <sub>UV</sub>	237.3900, 8.6817, 15.4440
Hunter-Lab	90.7361, 10.8446, -5.7272

# Details

The Yxy color **82.3304, 0.3141, 0.2999** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **92.9615, 0.3113, 0.3599**, and the grayscale version is **84.9253, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **44.8324, 0.3143, 0.2945** is the 20% darker color. If you saturate the color by 10%, you get **69.5523, 0.3153, 0.2747**, and if you desaturate by 10%, it is **97.1556, 0.3129, 0.3247**.

# Distribution



- Red (100%)
- Green (88%)
- Blue (100%)



- Red (100%)
- Yellow (88%)
- Blue (100%)



- Cyan (0%)
- Magenta (12%)
- Yellow (0%)
- Black (0%)




- Cyan (0%)
- Magenta (12%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 82.3304, 0.3141, 0.2999 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 82.3304, 0.3141, 0.2999 by changing the saturation by 10% instead.



 82.3304, 0.3141,  
0.2999

 82.3304, 0.3141,  
0.2999

502.7522, 0.3136,  
0.3128

 61.6379, 0.3142,  
0.2971


136.6372, 0.3140,  
0.3043

 44.7402, 0.3143,  
0.2937


171.0204, 0.3139,  
0.3060

 31.2528, 0.3144,  
0.2895


210.7359, 0.3138,  
0.3075

 20.7914, 0.3144,  
0.2841

256.1681, 0.3138,  
0.3088

 12.9716, 0.3145,  
0.2771

307.7014, 0.3137,  
0.3100

 7.4090, 0.3145,  
0.2675

365.7203, 0.3137,

 3.7192, 0.3142,

0.3110

0.2536

430.6091, 0.3136,  
0.3119

■ 1.5178, 0.3132,  
0.2318

■ 0.3012, 0.3235,  
0.1471

■ 82.3304, 0.3141,  
0.2999

■ 82.3304, 0.3141,  
0.2999

■ 69.5523, 0.3153,  
0.2747

■ 97.1556, 0.3129,  
0.3247

■ 58.7479, 0.3164,  
0.2498

100.0000, 0.3127,  
0.3290

■ 49.8136, 0.3175,  
0.2261

■ 42.6432, 0.3186,  
0.2047

■ 37.1201, 0.3194,  
0.1864

■ 33.1133, 0.3201,  
0.1720

■ 30.4724, 0.3206,  
0.1620

■ 29.0159, 0.3208,  
0.1563

■ 28.4800, 0.3209,  
0.1542

# Harmonies

## Analogous

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



82.3304, 0.2930, 0.2930



82.3304, 0.3141, 0.2999



82.3304, 0.3355, 0.3139

# Triad

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



82.3304, 0.3141, 0.2999



82.3304, 0.3486, 0.3631



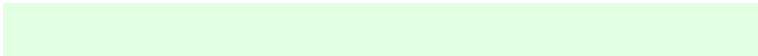
82.3304, 0.2758, 0.3242

# Complementary

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



82.3304, 0.3141, 0.2999



92.9615, 0.3113, 0.3599

# 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.



82.3304, 0.2898, 0.3446



82.3304, 0.3141, 0.2999



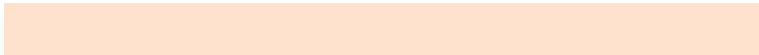
82.3304, 0.3318, 0.3675

# Square

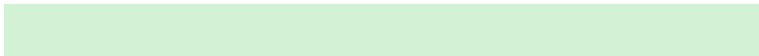
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



82.3304, 0.3141, 0.2999



82.3304, 0.3558, 0.3498



82.3304, 0.3102, 0.3608



82.3304, 0.2714, 0.3061



# Rectangle

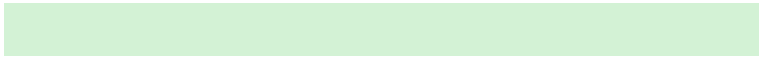
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



82.3304, 0.3141, 0.2999



82.3304, 0.3469, 0.3256



82.3304, 0.3102, 0.3608



82.3304, 0.2795, 0.3311

# Sweetspot

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



82.3246, 0.3141, 0.2999



93.6639, 0.3132, 0.3192



77.0704, 0.2940, 0.2981



19.8010, 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.



82.3246, 0.3141, 0.2999



79.2997, 0.3143, 0.2943



81.3955, 0.3239, 0.3143



18.3004, 0.3138, 0.3056



14.8814, 0.3209, 0.1542



1.4490, 0.3209, 0.1542



# Inverse Universe

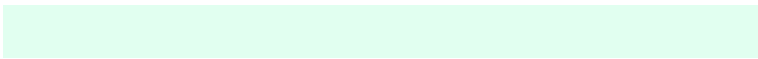
The Inverse Universe completely reimagines the original color for something new.



82.3246, 0.3141, 0.2999



79.2997, 0.3143, 0.2943



93.8168, 0.3028, 0.3442



18.3004, 0.3138, 0.3056



14.8814, 0.3209, 0.1542



1.4490, 0.3209, 0.1542



# Previews

## White Background



This preview shows how the Yxy color 82.3304, 0.3141, 0.2999 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

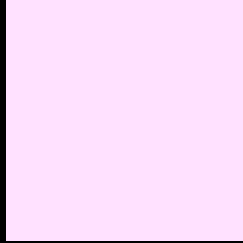
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 82.3304, 0.3141, 0.2999 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

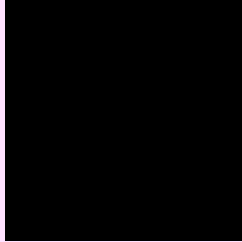
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

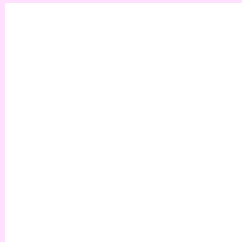
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 82.3304, 0.3141, 0.2999**

## **Background**



This preview shows how black text looks on a background with the Yxy color 82.3304, 0.3141, 0.2999.

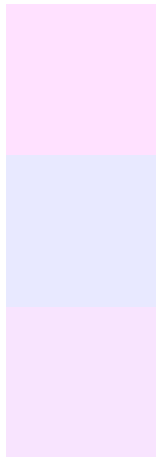


This preview shows how white text looks on a background with the Yxy color 82.3304, 0.3141, 0.2999.

# 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

82.3304, 0.3141, 0.2999

### Protanopia

82.6536, 0.2986, 0.3068

### Deuteranopia

82.5990, 0.3099, 0.3034



## Tritanopia

82.4134, 0.3191, 0.3113

# Trichromacy



## Original Color

82.3304, 0.3141, 0.2999

## Protanomaly

82.3389, 0.3039, 0.3041

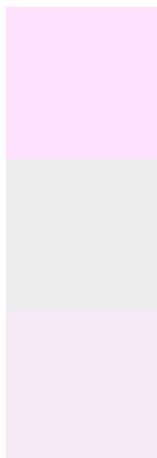
## Deuteranomaly

82.6032, 0.3119, 0.3026

## Tritanomaly

82.3031, 0.3172, 0.3065

# Monochromacy



## Original Color

82.3304, 0.3141, 0.2999

## Achromatopsia

84.6873, 0.3127, 0.3290

## Achromatomaly

84.0426, 0.3132, 0.3180

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 82.3304, 0.3141, 0.2999 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, 225, 255)` looks like.

```
.text, #text, p{  
    color:rgb(255, 225, 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, 225, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 225, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 82.3304, 0.3141, 0.2999 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, 225, 255) }
```

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

```
.border{ border-color:rgb(255, 225, 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, 225, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 225, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 225, 255);  
box-shadow:4px 4px 4px 4px rgb(255, 225,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 82.3304, 0.3141, 0.2999 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 225, 255) }
```

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

```
.background{ background-color: rgb(255,  
225, 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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