

# Converting Colors

Yxy(82.9116, 0.3071, 0.3039)

Have a look what the booklet for  
Yxy(82.9116, 0.3071, 0.3039)  
contains.

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# Color

**Yxy(83.2261, 0.3072, 0.3043)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F5E6FF
RGB	245, 230, 255
RGB Percent	96%, 90%, 100%
CMY	0.0390, 0.0981, 0.0000
CMYK	0.04, 0.10, 0.00, 0.00
HSL	276°, 100%, 95%
HSV	276°, 10%, 100%
XYZ	84.0193, 83.2261, 106.2548
YIQ	237.3350, 0.9150, 10.9550

# Conversions

## Conversions Part 2

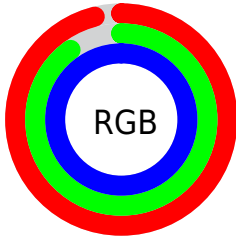
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	245, 230, 255
Decimal	16115455
CIE Lab	93.11, 9.55, -10.25
CIE LCh	93, 14.008, 312.961
Yxy	83.2261, 0.3072, 0.3043
Android (android.graphics.Color)	4294305535 (0xFFFF5E6FF)
YUV	237.3350, 8.7088, 6.7222
Hunter-Lab	91.2283, 4.7449, -5.1960

# Details

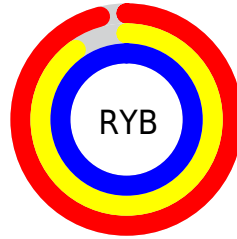
The Yxy color 83.2261, 0.3072, 0.3043 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 95.7450, 0.3178, 0.3540, and the grayscale version is 84.8973, 0.3127, 0.3290.

A 20% lighter version of the original color is 100.0000, 0.3127, 0.3290, and 45.5560, 0.3063, 0.3000 is the 20% darker color. If you saturate the color by 10%, you get 68.2861, 0.3006, 0.2774, and if you desaturate by 10%, it is 100.0000, 0.3127, 0.3290.

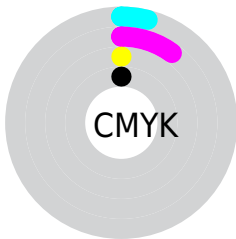
# Distribution



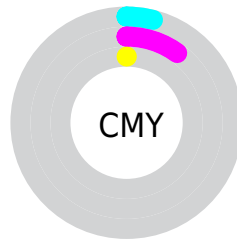
- Red (96%)
- Green (90%)
- Blue (100%)



- Red (96%)
- Yellow (90%)
- Blue (100%)



- Cyan (4%)
- Magenta (10%)
- Yellow (0%)
- Black (0%)




- Cyan (4%)
- Magenta (10%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 83.2261, 0.3072, 0.3043 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 83.2261, 0.3072, 0.3043 by changing the saturation by 10% instead.




 83.2261, 0.3072,  
0.3043

 83.2261, 0.3072,  
0.3043


505.7397, 0.3098,  
0.3153

 62.3767, 0.3066,  
0.3019


137.8921, 0.3081,  
0.3080

 45.3371, 0.3059,  
0.2990


172.4775, 0.3084,  
0.3095

 31.7231, 0.3050,  
0.2954


212.4103, 0.3087,  
0.3108

 21.1501, 0.3038,  
0.2907

258.0749, 0.3090,  
0.3119

 13.2337, 0.3021,  
0.2847

309.8558, 0.3092,  
0.3129

 7.5897, 0.2998,  
0.2763

368.1373, 0.3094,

 3.8335, 0.2962,

0.3138

0.2641

433.3038, 0.3096,  
0.3146

■ 1.5809, 0.2899,  
0.2448

■ 0.3447, 0.2799,  
0.1721

■ 83.2261, 0.3072,  
0.3043

■ 83.2261, 0.3072,  
0.3043

■ 68.2861, 0.3006,  
0.2774

100.0000, 0.3127,  
0.3290

■ 55.4280, 0.2929,  
0.2492

■ 44.5564, 0.2841,  
0.2204

■ 35.5653, 0.2744,  
0.1921

■ 28.3386, 0.2639,  
0.1655

■ 22.7467, 0.2531,  
0.1420

■ 18.6419, 0.2422,  
0.1229

■ 15.8483, 0.2318,  
0.1090

■ 14.0851, 0.2222,  
0.0998

# Harmonies

## Analogous

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



83.2261, 0.2927, 0.3018



83.2261, 0.3072, 0.3043



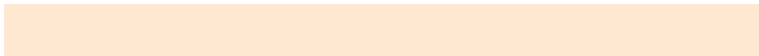
83.2261, 0.3236, 0.3129

# Triad

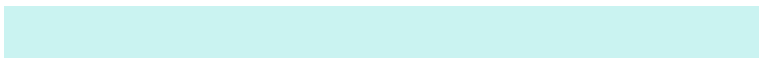
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



83.2261, 0.3072, 0.3043



83.2261, 0.3425, 0.3511



83.2261, 0.2886, 0.3317

# Complementary

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



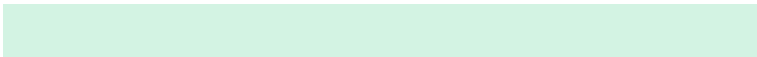
83.2261, 0.3072, 0.3043



95.7450, 0.3178, 0.3540

# 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.



83.2261, 0.3015, 0.3459



83.2261, 0.3072, 0.3043



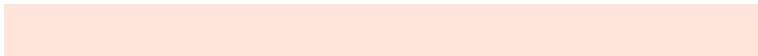
83.2261, 0.3327, 0.3571

# Square

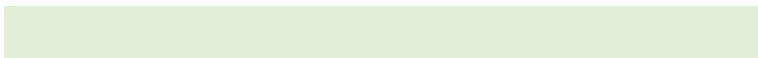
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



83.2261, 0.3072, 0.3043



83.2261, 0.3443, 0.3395



83.2261, 0.3176, 0.3554



83.2261, 0.2822, 0.3172



# Rectangle

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



83.2261, 0.3072, 0.3043



83.2261, 0.3333, 0.3211



83.2261, 0.3176, 0.3554



83.2261, 0.2923, 0.3367

# Sweetspot

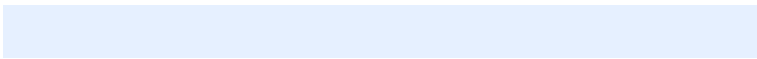
The Sweet Spot groups the original color and five complimentary colors.



83.2287, 0.3072, 0.3043



94.6437, 0.3111, 0.3217



86.3559, 0.2974, 0.3138



19.9585, 0.3107, 0.3197



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.



83.2287, 0.3072, 0.3043



79.7724, 0.3058, 0.2986



84.9057, 0.3154, 0.3072



17.9191, 0.3074, 0.3051



7.4335, 0.2235, 0.1005



0.7873, 0.2344, 0.1065



# Inverse Universe

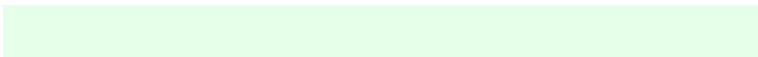
The Inverse Universe completely reimagines the original color for something new.



84.1328, 0.3235, 0.3193



80.8754, 0.3262, 0.3170



94.1946, 0.3101, 0.3518



18.1067, 0.3231, 0.3196



11.6308, 0.5395, 0.2745

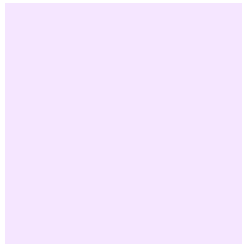


1.1533, 0.5092, 0.2579



# Previews

## White Background



This preview shows how the Yxy color 83.2261, 0.3072, 0.3043 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

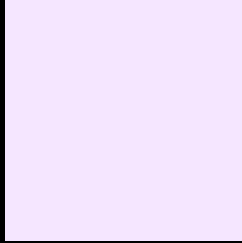
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 83.2261, 0.3072, 0.3043 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

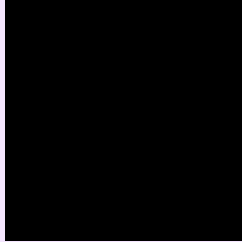
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

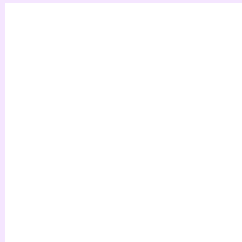
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 83.2261, 0.3072, 0.3043**

## Background



This preview shows how black text looks on a background with the Yxy color 83.2261, 0.3072, 0.3043.

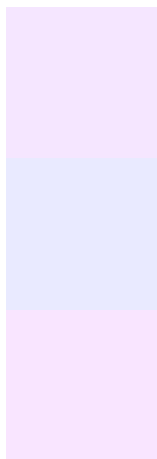


This preview shows how white text looks on a background with the Yxy color 83.2261, 0.3072, 0.3043.

# 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

83.2261, 0.3072, 0.3043

### Protanopia

83.3893, 0.2993, 0.3078

### Deuteranopia

83.3984, 0.3099, 0.3035



## Tritanopia

83.2245, 0.3102, 0.3111

# Trichromacy



## Original Color

83.2261, 0.3072, 0.3043

## Protanomaly

83.5024, 0.3019, 0.3070

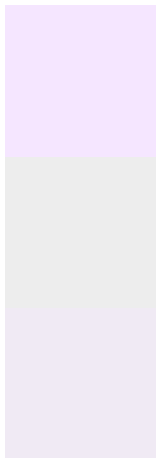
## Deuteranomaly

83.2151, 0.3092, 0.3035

## Tritanomaly

83.3500, 0.3090, 0.3091

# Monochromacy



## Original Color

83.2261, 0.3072, 0.3043

## Achromatopsia

84.6873, 0.3127, 0.3290

## Achromatomaly

83.9026, 0.3105, 0.3189

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 83.2261, 0.3072, 0.3043 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(245, 230, 255)` looks like.

```
.text, #text, p{  
    color:rgb(245, 230, 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(245, 230, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 230, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 83.2261, 0.3072, 0.3043 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(245, 230, 255) }
```

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

```
.border{ border-color:rgb(245, 230, 255) }
```

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

Here you see how a box with a 4 pixel rgb(245, 230, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 230, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 230, 255);  
box-shadow:4px 4px 4px 4px rgb(245, 230,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 83.2261, 0.3072, 0.3043 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(245, 230, 255) }
```

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

```
.background{ background-color: rgb(245,  
230, 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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