

# Converting Colors

$Y_{xy}(86.1435, 0.2930, 0.2780)$

Have a look what the booklet for  
Yxy(86.1435, 0.2930, 0.2780)  
contains.

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# **Color**

**Yxy(84.1376, 0.3105, 0.3046)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FAE6FF
RGB	250, 230, 255
RGB Percent	98%, 90%, 100%
CMY	0.0196, 0.0980, 0.0000
CMYK	0.02, 0.10, 0.00, 0.00
HSL	288°, 100%, 95%
HSV	288°, 10%, 100%
XYZ	85.7673, 84.1376, 106.3183
YIQ	238.8300, 3.8950, 12.0150

# Conversions

## Conversions Part 2

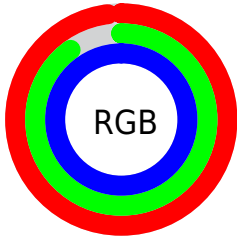
Format	Color
R <sub>Y</sub> B	250, 230, 255
Decimal	16443135
CIE Lab	93.51, 11.14, -9.61
CIE LCh	94, 14.711, 319.229
Yxy	84.1376, 0.3105, 0.3046
Android (android.graphics.Color)	4294633215 (0xFFFAE6FF)
YUV	238.8300, 7.9718, 9.7961
Hunter-Lab	91.7266, 6.3819, -4.5132

# Details

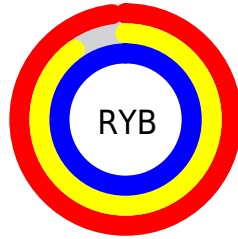
The Yxy color **84.1376, 0.3105, 0.3046** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **94.8913, 0.3146, 0.3542**, and the grayscale version is **86.1133, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **45.6868, 0.3098, 0.2991** is the 20% darker color. If you saturate the color by 10%, you get **70.0413, 0.3077, 0.2785**, and if you desaturate by 10%, it is **99.9994, 0.3127, 0.3290**.

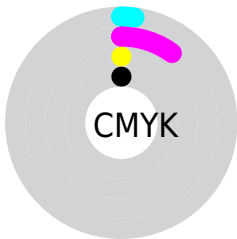
# Distribution



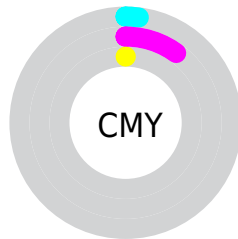
- Red (98%)
- Green (90%)
- Blue (100%)



- Red (98%)
- Yellow (90%)
- Blue (100%)



- Cyan (2%)
- Magenta (10%)
- Yellow (0%)
- Black (0%)




- Cyan (2%)
- Magenta (10%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 84.1376, 0.3105, 0.3046 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 84.1376, 0.3105, 0.3046 by changing the saturation by 10% instead.



 84.1376, 0.3105,  
0.3046

 84.1376, 0.3105,  
0.3046


508.7701, 0.3116,  
0.3154

 63.1290, 0.3102,  
0.3022


139.1676, 0.3109,  
0.3083

 45.9456, 0.3099,  
0.2994


173.9579, 0.3110,  
0.3097

 32.2029, 0.3095,  
0.2958


214.1109, 0.3112,  
0.3110

 21.5165, 0.3089,  
0.2913

260.0110, 0.3113,  
0.3121

 13.5021, 0.3082,  
0.2854

312.0425, 0.3114,  
0.3130

 7.7752, 0.3070,  
0.2773

370.5900, 0.3114,

 3.9514, 0.3051,

0.3139

0.2655

436.0377, 0.3115,  
0.3147

■ 1.6464, 0.3018,  
0.2468

■ 0.3886, 0.3010,  
0.1824

■ 84.1376, 0.3105,  
0.3046

■ 84.1376, 0.3105,  
0.3046

■ 70.0413, 0.3077,  
0.2785

99.9994, 0.3127,  
0.3290

■ 57.9527, 0.3044,  
0.2519

■ 47.7791, 0.3005,  
0.2255

■ 39.4159, 0.2961,  
0.2003

■ 32.7484, 0.2912,  
0.1774

■ 27.6488, 0.2859,  
0.1580

■ 23.9708, 0.2805,  
0.1429

■ 21.5404, 0.2751,  
0.1324

■ 20.0789, 0.2698,  
0.1261

# Harmonies

## Analogous

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



84.1376, 0.2945, 0.3005



84.1376, 0.3105, 0.3046



84.1376, 0.3274, 0.3147

# Triad

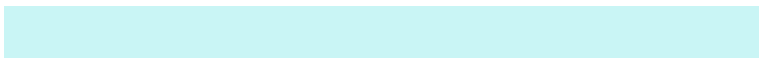
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



84.1376, 0.3105, 0.3046



84.1376, 0.3424, 0.3540



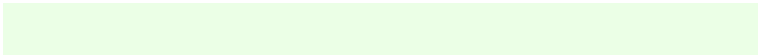
84.1376, 0.2855, 0.3285

# Complementary

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



84.1376, 0.3105, 0.3046



94.8913, 0.3146, 0.3542

# 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.



84.1376, 0.2978, 0.3439



84.1376, 0.3105, 0.3046



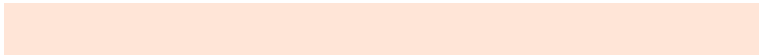
84.1376, 0.3306, 0.3588

# Square

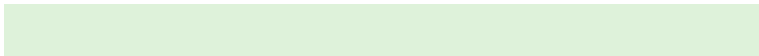
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



84.1376, 0.3105, 0.3046



84.1376, 0.3461, 0.3428



84.1376, 0.3142, 0.3552



84.1376, 0.2804, 0.3138



# Rectangle

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



84.1376, 0.3105, 0.3046



84.1376, 0.3369, 0.3237



84.1376, 0.3142, 0.3552



84.1376, 0.2889, 0.3338

# Sweetspot

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



84.1412, 0.3105, 0.3046



94.9267, 0.3121, 0.3217



83.7029, 0.2974, 0.3092



20.0351, 0.3119, 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.



84.1412, 0.3105, 0.3046



80.8638, 0.3099, 0.2989



84.6293, 0.3183, 0.3116



18.1060, 0.3106, 0.3054



10.5435, 0.2706, 0.1264



1.0710, 0.2766, 0.1298



# Inverse Universe

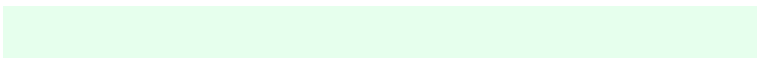
The Inverse Universe completely reimagines the original color for something new.



83.8560, 0.3267, 0.3241



80.5291, 0.3303, 0.3230



94.4582, 0.3075, 0.3471



18.0465, 0.3263, 0.3243



11.2505, 0.6080, 0.3123



1.1101, 0.5782, 0.2959



# Previews

## White Background



This preview shows how the Yxy color 84.1376, 0.3105, 0.3046 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

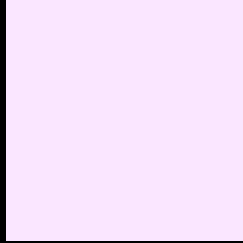
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 84.1376, 0.3105, 0.3046 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

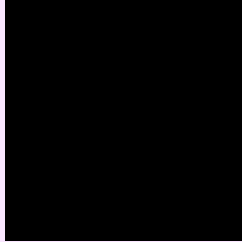
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

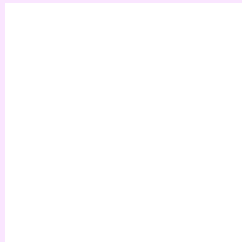
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 84.1376, 0.3105, 0.3046**

## Background



This preview shows how black text looks on a background with the Yxy color 84.1376, 0.3105, 0.3046.

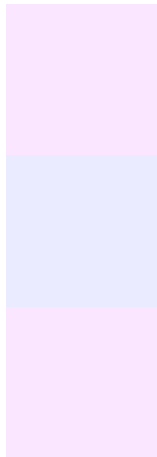


This preview shows how white text looks on a background with the Yxy color 84.1376, 0.3105, 0.3046.

# 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

84.1376, 0.3105, 0.3046

### Protanopia

84.2988, 0.3006, 0.3089

### Deuteranopia

84.3229, 0.3112, 0.3046



## Tritanopia

84.1311, 0.3135, 0.3113

# Trichromacy



## Original Color

84.1376, 0.3105, 0.3046

## Protanomaly

84.0231, 0.3038, 0.3071

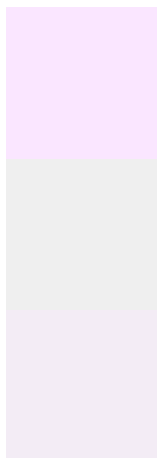
## Deuteranomaly

84.3229, 0.3112, 0.3046

## Tritanomaly

84.2566, 0.3123, 0.3094

# Monochromacy



## Original Color

84.1376, 0.3105, 0.3046

## Achromatopsia

86.3157, 0.3127, 0.3290

## Achromatomaly

85.6382, 0.3118, 0.3200

# CSS Examples

## Text

The CSS property to change the color of the text to  $Yxy$  84.1376, 0.3105, 0.3046 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(250, 230, 255)` looks like.

```
.text, #text, p{  
    color:rgb(250, 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(250, 230, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(250, 230, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 84.1376, 0.3105, 0.3046 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(250, 230, 255) }
```

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

```
.border{ border-color:rgb(250, 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(250, 230, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(250, 230, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(250, 230, 255);  
box-shadow:4px 4px 4px 4px rgb(250, 230,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 84.1376, 0.3105, 0.3046 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(250, 230, 255) }
```

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

```
.background{ background-color: rgb(250,  
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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