

Converting Colors

$Y_{xy}(84.1759, 0.3068, 0.3061)$

Have a look what the booklet for
Yxy(84.1759, 0.3068, 0.3061)
contains.

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Color

Yxy(84.3457, 0.3071, 0.3063)

Conversions

Conversions Part 1

Format	Color
Hex	F5E8FF
RGB	245, 232, 255
RGB Percent	96%, 91%, 100%
CMY	0.0392, 0.0902, 0.0000
CMYK	0.04, 0.09, 0.00, 0.00
HSL	274°, 100%, 95%
HSV	274°, 9%, 100%
XYZ	84.5660, 84.3457, 106.4579
YIQ	238.5090, 0.3650, 9.9090

Conversions

Conversions Part 2

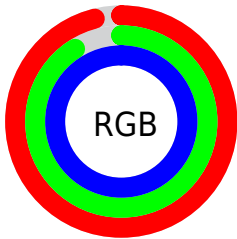
Format	Color
R _Y B	245, 232, 255
Decimal	16115967
CIE Lab	93.60, 8.49, -9.54
CIE LCh	94, 12.766, 311.659
Yxy	84.3457, 0.3071, 0.3063
Android (android.graphics.Color)	4294306047 (0xFF5E8FF)
YUV	238.5090, 8.1301, 5.6926
Hunter-Lab	91.8399, 3.6426, -4.4391

Details

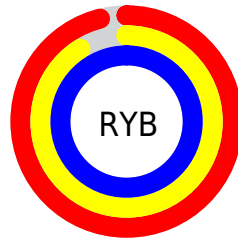
The Yxy color **84.3457, 0.3071, 0.3063** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **96.2245, 0.3179, 0.3518**, and the grayscale version is **85.8509, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **45.9467, 0.3063, 0.3013** is the 20% darker color. If you saturate the color by 10%, you get **69.0821, 0.2999, 0.2794**, and if you desaturate by 10%, it is **100.0000, 0.3127, 0.3290**.

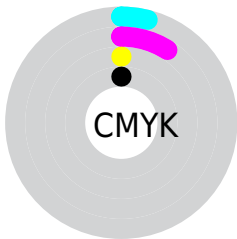
Distribution



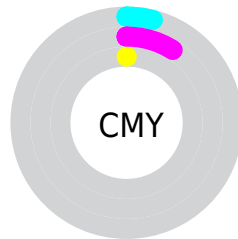
- Red (96%)
- Green (91%)
- Blue (100%)



- Red (96%)
- Yellow (91%)
- Blue (100%)



- Cyan (4%)
- Magenta (9%)
- Yellow (0%)
- Black (0%)



- Cyan (4%)
- Magenta (9%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 84.3457, 0.3071, 0.3063 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 84.3457, 0.3071, 0.3063 by changing the saturation by 10% instead.

 84.3457, 0.3071,
0.3063

 84.3457, 0.3071,
0.3063


509.4605, 0.3097,
0.3164

 63.3009, 0.3065,
0.3041

139.4587, 0.3080,
0.3097

 46.0847, 0.3058,
0.3014

174.2956, 0.3083,
0.3111

 32.3126, 0.3049,
0.2981


214.4987, 0.3086,
0.3122

 21.6004, 0.3037,
0.2939

260.4524, 0.3089,
0.3133

 13.5636, 0.3021,
0.2883

312.5410, 0.3091,
0.3142

 7.8178, 0.2998,
0.2806

371.1489, 0.3093,

 3.9786, 0.2962,

0.3150

0.2695

436.6607, 0.3095,
0.3157

■ 1.6616, 0.2902,
0.2517

■ 0.3986, 0.2801,
0.1905

■ 84.3457, 0.3071,
0.3063

■ 84.3457, 0.3071,
0.3063

■ 69.0821, 0.2999,
0.2794

100.0000, 0.3127,
0.3290

■ 55.9281, 0.2914,
0.2510

■ 44.7871, 0.2819,
0.2218

■ 35.5534, 0.2713,
0.1928

■ 28.1111, 0.2599,
0.1654

■ 22.3315, 0.2480,
0.1409

■ 18.0678, 0.2363,
0.1207

■ 15.1461, 0.2251,
0.1058

■ 13.3110, 0.2148,
0.0960

Harmonies

Analogous

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



84.3457, 0.2940, 0.3043



84.3457, 0.3071, 0.3063



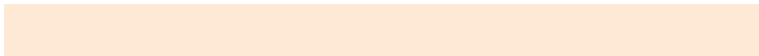
84.3457, 0.3220, 0.3139

Triad

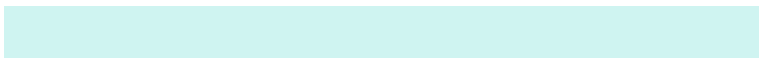
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



84.3457, 0.3071, 0.3063



84.3457, 0.3400, 0.3487



84.3457, 0.2913, 0.3321

Complementary

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



84.3457, 0.3071, 0.3063



96.2245, 0.3179, 0.3518

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.



84.3457, 0.3032, 0.3448



84.3457, 0.3071, 0.3063



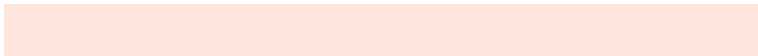
84.3457, 0.3314, 0.3544

Square

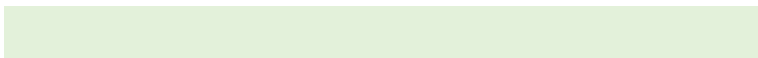
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



84.3457, 0.3071, 0.3063



84.3457, 0.3412, 0.3381



84.3457, 0.3178, 0.3531



84.3457, 0.2851, 0.3189

Rectangle

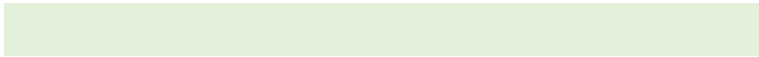
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



84.3457, 0.3071, 0.3063



84.3457, 0.3308, 0.3213



84.3457, 0.3178, 0.3531



84.3457, 0.2947, 0.3366

Sweetspot

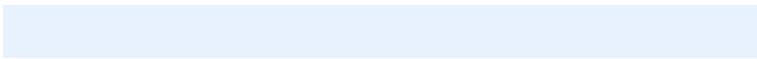
The Sweet Spot groups the original color and five complimentary colors.



84.3472, 0.3071, 0.3063



94.5902, 0.3110, 0.3216



88.0902, 0.2987, 0.3163



19.9441, 0.3105, 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.



84.3472, 0.3071, 0.3063



81.1501, 0.3058, 0.3011



86.1211, 0.3145, 0.3079



17.8842, 0.3068, 0.3051



6.9653, 0.2154, 0.0960



0.7428, 0.2268, 0.1023

Inverse Universe

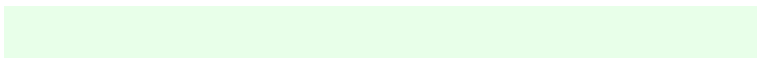
The Inverse Universe completely reimagines the original color for something new.



85.3861, 0.3220, 0.3192



82.4116, 0.3243, 0.3170



94.5683, 0.3110, 0.3511



18.1183, 0.3226, 0.3187



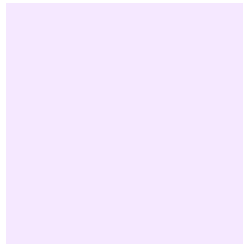
11.7361, 0.5240, 0.2660



1.1642, 0.4952, 0.2502

Previews

White Background



This preview shows how the Yxy color 84.3457, 0.3071, 0.3063 looks on a white background.

Color Contrast Check

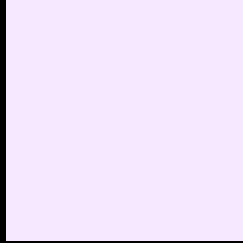
Large Text (above 18pt) WCAG AA × Fail

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 84.3457, 0.3071, 0.3063 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

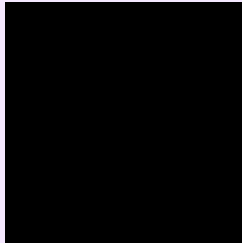
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

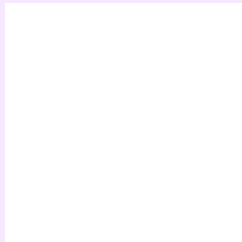
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 84.3457, 0.3071, 0.3063

Background



This preview shows how black text looks on a background with the Yxy color 84.3457, 0.3071, 0.3063.

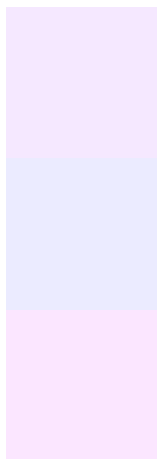


This preview shows how white text looks on a background with the Yxy color 84.3457, 0.3071, 0.3063.

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

84.3457, 0.3071, 0.3063

Protanopia

84.2988, 0.3006, 0.3089

Deuteranopia

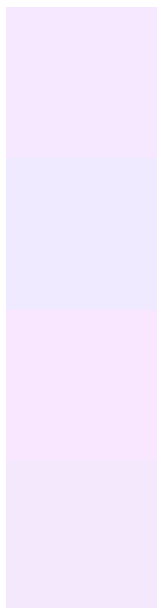
84.3229, 0.3112, 0.3046



Tritanopia

84.4760, 0.3089, 0.3112

Trichromacy



Original Color

84.3457, 0.3071, 0.3063

Protanomaly

84.4164, 0.3032, 0.3081

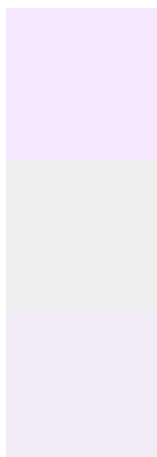
Deuteranomaly

84.5116, 0.3098, 0.3055

Tritanomaly

84.5392, 0.3083, 0.3102

Monochromacy



Original Color

84.3457, 0.3071, 0.3063

Achromatopsia

86.3157, 0.3127, 0.3290

Achromatomaly

85.2842, 0.3105, 0.3200

CSS Examples

Text

The CSS property to change the color of the text to Yxy 84.3457, 0.3071, 0.3063 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, 232, 255)` looks like.

```
.text, #text, p{  
    color:rgb(245, 232, 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, 232, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 232, 255) }
```

Border

The CSS property to change the border of an element to Yxy 84.3457, 0.3071, 0.3063 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, 232, 255) }
```

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

```
.border{ border-color:rgb(245, 232, 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, 232, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 232, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 232, 255);  
box-shadow:4px 4px 4px 4px rgb(245, 232,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 84.3457, 0.3071, 0.3063 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(245, 232, 255) }
```

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

```
.background{ background-color: rgb(245,  
232, 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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