

Converting Colors

Yxy(84.1663, 0.3065, 0.3063)

Have a look what the booklet for
Yxy(84.1663, 0.3065, 0.3063)
contains.

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Color

Yxy(84.1663, 0.3065, 0.3063)

Conversions

Conversions Part 1

Format	Color
Hex	F4E8FF
RGB	244, 232, 255
RGB Percent	96%, 91%, 100%
CMY	0.0430, 0.0902, 0.0001
CMYK	0.04, 0.09, 0.00, 0.00
HSL	271°, 100%, 95%
HSV	271°, 9%, 100%
XYZ	84.2213, 84.1663, 106.3963
YIQ	238.2100, -0.2310, 9.6970

Conversions

Conversions Part 2

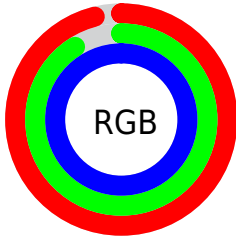
Format	Color
RYB	244, 232, 255
Decimal	16050431
CIELab	93.52, 8.17, -9.63
CIELCh	94, 12.629, 310.288
Yxy	84.1663, 0.3065, 0.3063
Android (android.graphics.Color)	4294240511 (0xFF4E8FF)
YUV	238.2100, 8.2775, 5.0778
Hunter-Lab	91.7422, 3.3179, -4.5409

Details

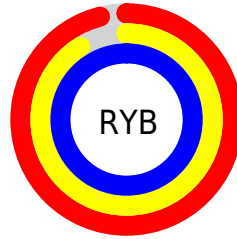
The Yxy color **84.1663, 0.3065, 0.3063** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **96.3770, 0.3185, 0.3518**, and the grayscale version is **85.6109, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **45.8193, 0.3054, 0.3012** is the 20% darker color. If you saturate the color by 10%, you get **68.7406, 0.2985, 0.2792**, and if you desaturate by 10%, it is **99.9987, 0.3127, 0.3290**.

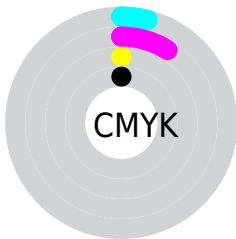
Distribution



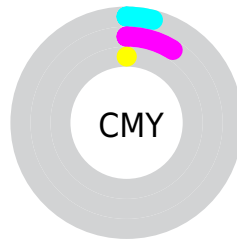
- Red (96%)
- Green (91%)
- Blue (100%)



- 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 84.1663, 0.3065, 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 84.1663, 0.3065, 0.3063 by changing the saturation by 10% instead.

 84.1663, 0.3065,
0.3063

 84.1663, 0.3065,
0.3063


508.8653, 0.3094,
0.3164

 63.1527, 0.3059,
0.3041


139.2078, 0.3075,
0.3097

 45.9648, 0.3051,
0.3014


174.0045, 0.3079,
0.3111

 32.2180, 0.3040,
0.2981


214.1644, 0.3082,
0.3122

 21.5281, 0.3027,
0.2938

260.0719, 0.3085,
0.3133

 13.5106, 0.3010,
0.2882

312.1113, 0.3088,
0.3142

 7.7811, 0.2985,
0.2806

370.6671, 0.3090,

 3.9552, 0.2946,

0.3150

0.2693

436.1236, 0.3092,
0.3157

■ 1.6485, 0.2880,
0.2515

■ 0.3900, 0.2761,
0.1889

■ 84.1663, 0.3065,
0.3063

■ 84.1663, 0.3065,
0.3063

■ 68.7406, 0.2985,
0.2792

99.9987, 0.3127,
0.3290

■ 55.4447, 0.2892,
0.2505

■ 44.1838, 0.2786,
0.2208

■ 34.8513, 0.2670,
0.1912

■ 27.3306, 0.2545,
0.1631

■ 21.4923, 0.2417,
0.1378

■ 17.1888, 0.2290,
0.1169

■ 14.2455, 0.2170,
0.1014

■ 12.4061, 0.2062,
0.0913

Harmonies

Analogous

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



84.1663, 0.2937, 0.3047



84.1663, 0.3065, 0.3063



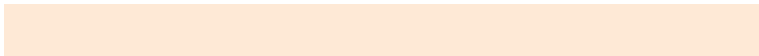
84.1663, 0.3212, 0.3136

Triad

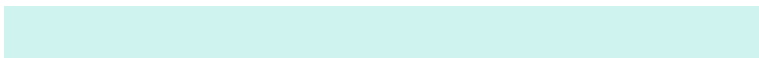
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



84.1663, 0.3065, 0.3063



84.1663, 0.3400, 0.3482



84.1663, 0.2919, 0.3327

Complementary

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



84.1663, 0.3065, 0.3063



96.3770, 0.3185, 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.



84.1663, 0.3039, 0.3452



84.1663, 0.3065, 0.3063



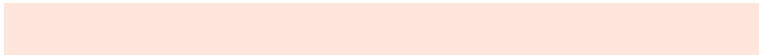
84.1663, 0.3317, 0.3540

Square

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



84.1663, 0.3065, 0.3063



84.1663, 0.3408, 0.3374



84.1663, 0.3184, 0.3530



84.1663, 0.2855, 0.3195

Rectangle

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



84.1663, 0.3065, 0.3063



84.1663, 0.3301, 0.3209



84.1663, 0.3184, 0.3530



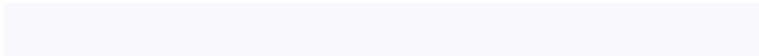
84.1663, 0.2954, 0.3371

Sweetspot

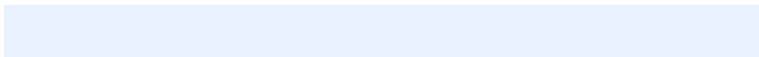
The Sweet Spot groups the original color and five complimentary colors.



84.1699, 0.3065, 0.3063



94.5316, 0.3108, 0.3216



88.5382, 0.2987, 0.3171



19.9283, 0.3102, 0.3196



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.



84.1699, 0.3065, 0.3063



80.9454, 0.3050, 0.3011



86.1616, 0.3140, 0.3072



17.8460, 0.3061, 0.3050



6.4931, 0.2068, 0.0913



0.6973, 0.2188, 0.0979

Inverse Universe

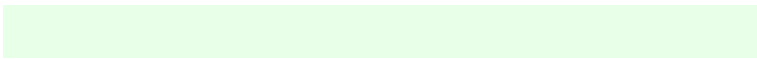
The Inverse Universe completely reimagines the original color for something new.



85.4349, 0.3214, 0.3183



82.4802, 0.3235, 0.3159



94.5103, 0.3114, 0.3518



18.1311, 0.3219, 0.3177



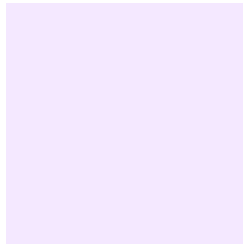
11.8651, 0.5066, 0.2564



1.1772, 0.4799, 0.2417

Previews

White Background



This preview shows how the Yxy color 84.1663, 0.3065, 0.3063 looks on a white background.

Color Contrast Check

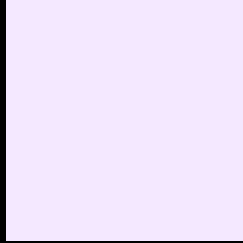
Large Text (above 18pt) WCAG AA × Fail

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 84.1663, 0.3065, 0.3063 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

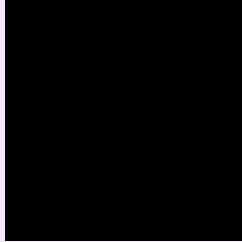
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

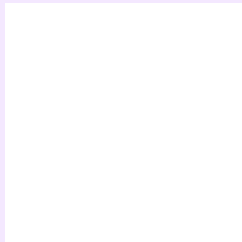
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 84.1663, 0.3065, 0.3063

Background



This preview shows how black text looks on a background with the Yxy color 84.1663, 0.3065, 0.3063.

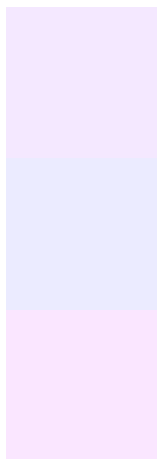


This preview shows how white text looks on a background with the Yxy color 84.1663, 0.3065, 0.3063.

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

84.1663, 0.3065, 0.3063

Protanopia

84.2988, 0.3006, 0.3089

Deuteranopia

84.1376, 0.3105, 0.3046



Tritanopia

84.2975, 0.3082, 0.3111

Trichromacy



Original Color

84.1663, 0.3065, 0.3063

Protanomaly

84.2428, 0.3025, 0.3080

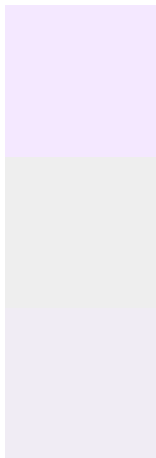
Deuteranomaly

84.3283, 0.3091, 0.3055

Tritanomaly

84.3608, 0.3076, 0.3101

Monochromacy



Original Color

84.1663, 0.3065, 0.3063

Achromatopsia

85.4993, 0.3127, 0.3290

Achromatomaly

85.0478, 0.3104, 0.3210

CSS Examples

Text

The CSS property to change the color of the text to Yxy 84.1663, 0.3065, 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 $rgb(244, 232, 255)$ looks like.

```
.text, #text, p{  
    color:rgb(244, 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(244, 232, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(244, 232, 255) }
```

Border

The CSS property to change the border of an element to Yxy 84.1663, 0.3065, 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(244, 232, 255) }
```

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

```
.border{ border-color:rgb(244, 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(244, 232, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(244, 232, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(244, 232, 255);  
box-shadow:4px 4px 4px 4px rgb(244, 232,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 84.1663, 0.3065, 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(244, 232, 255) }
```

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

```
.background{ background-color: rgb(244,  
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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