

Converting Colors

$Y_{xy}(83.7770, 0.3071, 0.3053)$

Have a look what the booklet for
Yxy(83.7770, 0.3071, 0.3053)
contains.

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Color

Yxy(83.7843, 0.3071, 0.3053)

Conversions

Conversions Part 1

Format	Color
Hex	F5E7FF
RGB	245, 231, 255
RGB Percent	96%, 91%, 100%
CMY	0.0393, 0.0941, 0.0000
CMYK	0.04, 0.09, 0.00, 0.00
HSL	275°, 100%, 95%
HSV	275°, 9%, 100%
XYZ	84.2783, 83.7843, 106.3701
YIQ	237.9220, 0.6400, 10.4320

Conversions

Conversions Part 2

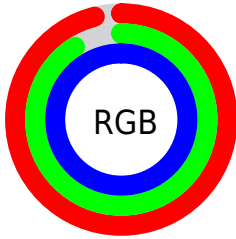
Format	Color
R _Y B	245, 231, 255
Decimal	16115711
CIE Lab	93.36, 8.99, -9.90
CIE LCh	93, 13.375, 312.232
Yxy	83.7843, 0.3071, 0.3053
Android (android.graphics.Color)	4294305791 (0xFF5E7FF)
YUV	237.9220, 8.4195, 6.2074
Hunter-Lab	91.5338, 4.1670, -4.8264

Details

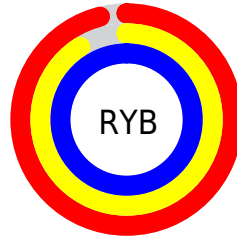
The Yxy color 83.7843, 0.3071, 0.3053 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 95.9987, 0.3179, 0.3529, and the grayscale version is 85.3670, 0.3127, 0.3290.

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 68.6719, 0.3001, 0.2784, and if you desaturate by 10%, it is 100.0000, 0.3127, 0.3290.

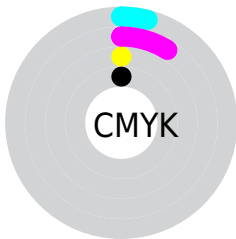
Distribution



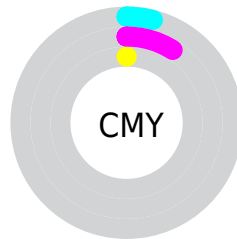
- Red (96%)
- Green (91%)
- Blue (100%)



- 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 83.7843, 0.3071, 0.3053 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 83.7843, 0.3071, 0.3053 by changing the saturation by 10% instead.

 83.7843, 0.3071,
0.3053

 83.7843, 0.3071,
0.3053


507.5967, 0.3097,
0.3158

 62.8374, 0.3065,
0.3030

138.6734, 0.3080,
0.3089

 45.7097, 0.3058,
0.3002

173.3844, 0.3084,
0.3103

 32.0168, 0.3048,
0.2967


213.4521, 0.3087,
0.3115

 21.3743, 0.3036,
0.2923

259.2611, 0.3089,
0.3126

 13.3979, 0.3020,
0.2865

311.1956, 0.3092,
0.3135

 7.7031, 0.2997,
0.2785

369.6401, 0.3094,

 3.9056, 0.2961,

0.3144

0.2668

434.9790, 0.3095,
0.3151

■ 1.6209, 0.2898,
0.2482

■ 0.3716, 0.2797,
0.1815

■ 83.7843, 0.3071,
0.3053

■ 83.7843, 0.3071,
0.3053

■ 68.6719, 0.3001,
0.2784

100.0000, 0.3127,
0.3290

■ 55.6571, 0.2920,
0.2500

■ 44.6430, 0.2828,
0.2210

■ 35.5236, 0.2726,
0.1924

■ 28.1830, 0.2616,
0.1653

■ 22.4921, 0.2502,
0.1413

■ 18.3035, 0.2389,
0.1216

■ 15.4423, 0.2280,
0.1071

■ 13.6414, 0.2180,
0.0976

Harmonies

Analogous

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



83.7843, 0.2933, 0.3031



83.7843, 0.3071, 0.3053



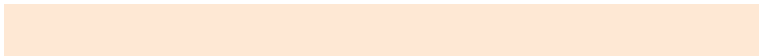
83.7843, 0.3227, 0.3134

Triad

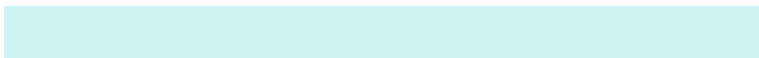
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



83.7843, 0.3071, 0.3053



83.7843, 0.3413, 0.3499



83.7843, 0.2900, 0.3320

Complementary

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



83.7843, 0.3071, 0.3053



95.9987, 0.3179, 0.3529

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.



83.7843, 0.3024, 0.3454



83.7843, 0.3071, 0.3053



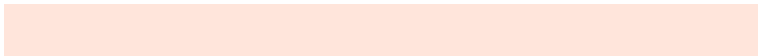
83.7843, 0.3320, 0.3557

Square

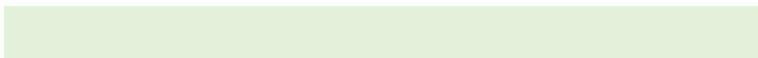
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



83.7843, 0.3071, 0.3053



83.7843, 0.3427, 0.3387



83.7843, 0.3178, 0.3542



83.7843, 0.2837, 0.3181

Rectangle

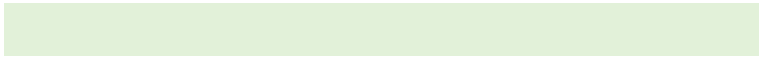
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



83.7843, 0.3071, 0.3053



83.7843, 0.3320, 0.3212



83.7843, 0.3178, 0.3542



83.7843, 0.2936, 0.3367

Sweetspot

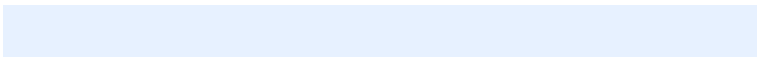
The Sweet Spot groups the original color and five complimentary colors.



83.7853, 0.3071, 0.3053



94.6141, 0.3110, 0.3216



87.3627, 0.2981, 0.3153



19.9505, 0.3106, 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.



83.7853, 0.3071, 0.3053



81.2334, 0.3061, 0.3012



85.5360, 0.3148, 0.3073



17.8997, 0.3071, 0.3051



7.1695, 0.2190, 0.0980



0.7623, 0.2302, 0.1042

Inverse Universe

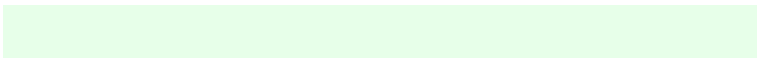
The Inverse Universe completely reimagines the original color for something new.



84.7721, 0.3227, 0.3192



82.3840, 0.3246, 0.3175



94.3719, 0.3107, 0.3517



18.1131, 0.3228, 0.3191



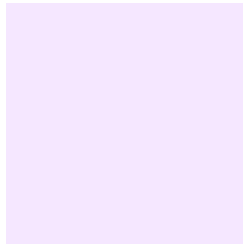
11.6877, 0.5309, 0.2698



1.1592, 0.5015, 0.2536

Previews

White Background



This preview shows how the Yxy color 83.7843, 0.3071, 0.3053 looks on a white background.

Color Contrast Check

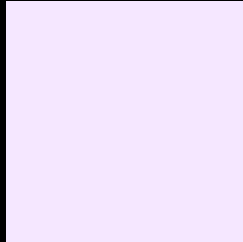
Large Text (above 18pt) WCAG AA × Fail

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 83.7843, 0.3071, 0.3053 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

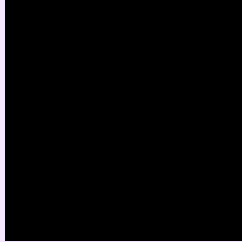
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

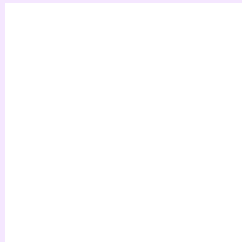
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 83.7843, 0.3071, 0.3053

Background



This preview shows how black text looks on a background with the Yxy color 83.7843, 0.3071, 0.3053.

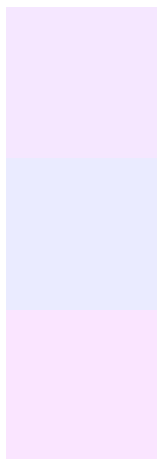


This preview shows how white text looks on a background with the Yxy color 83.7843, 0.3071, 0.3053.

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

83.7843, 0.3071, 0.3053

Protanopia

84.1291, 0.2999, 0.3089

Deuteranopia

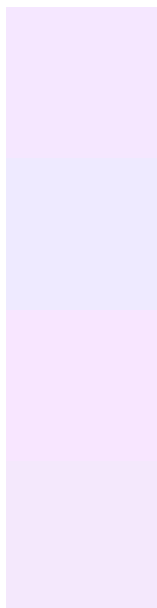
83.5826, 0.3105, 0.3036



Tritanopia

83.8484, 0.3095, 0.3111

Trichromacy



Original Color

83.7843, 0.3071, 0.3053

Protanomaly

84.2428, 0.3025, 0.3080

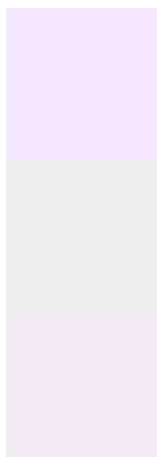
Deuteranomaly

83.7701, 0.3092, 0.3045

Tritanomaly

83.9746, 0.3083, 0.3092

Monochromacy



Original Color

83.7843, 0.3071, 0.3053

Achromatopsia

85.4993, 0.3127, 0.3290

Achromatomaly

84.6491, 0.3111, 0.3200

CSS Examples

Text

The CSS property to change the color of the text to Yxy 83.7843, 0.3071, 0.3053 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, 231, 255)` looks like.

```
.text, #text, p{  
    color:rgb(245, 231, 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, 231, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 231, 255) }
```

Border

The CSS property to change the border of an element to Yxy 83.7843, 0.3071, 0.3053 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, 231, 255) }
```

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

```
.border{ border-color:rgb(245, 231, 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, 231, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(245, 231, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(245, 231, 255); box-shadow:4px 4px 4px 4px rgb(245, 231, 255) }
```


Background

The CSS property to change the background color of an element to Yxy 83.7843, 0.3071, 0.3053 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(245, 231, 255) }
```

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

```
.background{ background-color: rgb(245,  
231, 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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