

Converting Colors

$Yxy(84.1115, 0.3165, 0.3055)$

Have a look what the booklet for
Yxy(84.1115, 0.3165, 0.3055)
contains.

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Color

Yxy(83.7751, 0.3159, 0.3057)

Conversions

Conversions Part 1

Format	Color
Hex	FFE4FC
RGB	255, 228, 252
RGB Percent	100%, 89%, 99%
CMY	0.0000, 0.1059, 0.0118
CMYK	0.00, 0.11, 0.01, 0.00
HSL	307°, 100%, 95%
HSV	307°, 11%, 100%
XYZ	86.5703, 83.7751, 103.6981
YIQ	238.8090, 8.3880, 13.1880

Conversions

Conversions Part 2

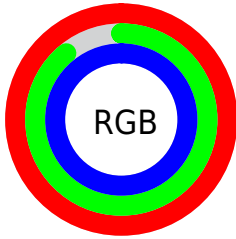
Format	Color
R_{YB}	255, 228, 252
Decimal	16770300
CIE Lab	93.35, 13.32, -8.23
CIE LCh	93, 15.662, 328.281
Yxy	83.7751, 0.3159, 0.3057
Android (android.graphics.Color)	4294960380 (0xFFFFE4FC)
YUV	238.8090, 6.5032, 14.1995
Hunter-Lab	91.5287, 8.6548, -3.1029

Details

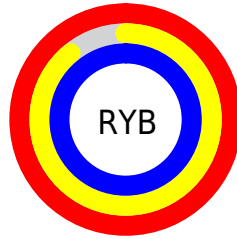
The Yxy color **83.7751, 0.3159, 0.3057** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **93.7805, 0.3097, 0.3535**, and the grayscale version is **86.0955, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **45.8330, 0.3166, 0.3018** is the 20% darker color. If you saturate the color by 10%, you get **70.5786, 0.3192, 0.2830**, and if you desaturate by 10%, it is **99.0264, 0.3129, 0.3277**.

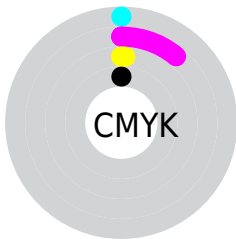
Distribution



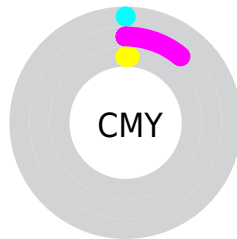
- Red (100%)
- Green (89%)
- Blue (99%)



- Red (100%)
- Yellow (89%)
- Blue (99%)



- Cyan (0%)
- Magenta (11%)
- Yellow (1%)
- Black (0%)





- Cyan (0%)
- Magenta (11%)
- Yellow (1%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 83.7751, 0.3159, 0.3057 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 83.7751, 0.3159, 0.3057 by changing the saturation by 10% instead.


 83.7751, 0.3159,
0.3057

 83.7751, 0.3159,
0.3057


507.5661, 0.3146,
0.3160

 62.8298, 0.3162,
0.3034


138.6605, 0.3155,
0.3092

 45.7035, 0.3165,
0.3007


173.3694, 0.3153,
0.3106

 32.0119, 0.3169,
0.2973


213.4350, 0.3151,
0.3118

 21.3706, 0.3174,
0.2930

259.2415, 0.3150,
0.3128

 13.3952, 0.3180,
0.2873

311.1735, 0.3149,
0.3138

 7.7012, 0.3188,
0.2796

369.6154, 0.3147,

 3.9044, 0.3199,

0.3146

0.2683

434.9514, 0.3146,
0.3153

■ 1.6202, 0.3213,
0.2503

■ 0.3712, 0.3341,
0.1829

■ 83.7751, 0.3159,
0.3057

■ 83.7751, 0.3159,
0.3057

■ 70.5786, 0.3192,
0.2830

99.0264, 0.3129,
0.3277

■ 59.3721, 0.3229,
0.2604

100.0000, 0.3127,
0.3290

■ 50.0503, 0.3270,
0.2384

■ 42.5080, 0.3313,
0.2182

■ 36.6299, 0.3357,
0.2007

■ 32.2872, 0.3401,
0.1869

■ 29.3318, 0.3443,
0.1774

■ 27.5870, 0.3483,
0.1723

■ 26.7863, 0.3517,
0.1711

Harmonies

Analogous

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



83.7751, 0.2981, 0.2992



83.7751, 0.3159, 0.3057



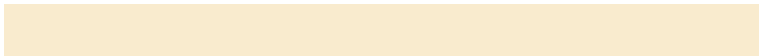
83.7751, 0.3333, 0.3179

Triad

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



83.7751, 0.3159, 0.3057



83.7751, 0.3413, 0.3581



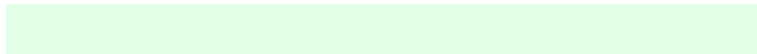
83.7751, 0.2812, 0.3234

Complementary

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



83.7751, 0.3159, 0.3057



93.7805, 0.3097, 0.3535

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.



83.7751, 0.2922, 0.3402



83.7751, 0.3159, 0.3057



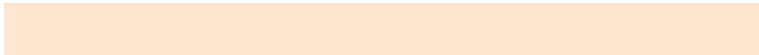
83.7751, 0.3268, 0.3606

Square

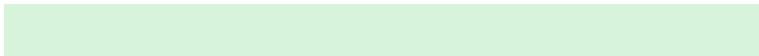
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



83.7751, 0.3159, 0.3057



83.7751, 0.3482, 0.3478



83.7751, 0.3088, 0.3541



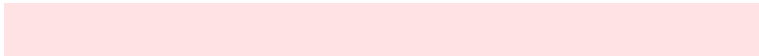
83.7751, 0.2784, 0.3088

Rectangle

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



83.7751, 0.3159, 0.3057



83.7751, 0.3422, 0.3280



83.7751, 0.3088, 0.3541



83.7751, 0.2840, 0.3290

Sweetspot

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



83.7666, 0.3159, 0.3057



95.1611, 0.3136, 0.3225



79.6355, 0.2978, 0.3015



20.0986, 0.3138, 0.3208



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.



83.7666, 0.3159, 0.3057



80.4077, 0.3166, 0.3003



82.9583, 0.3244, 0.3184



18.2635, 0.3155, 0.3081



14.0104, 0.3512, 0.1708



1.3737, 0.3473, 0.1687

Inverse Universe

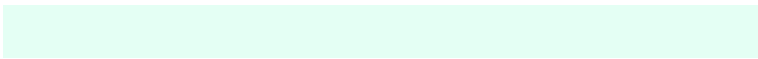
The Inverse Universe completely reimagines the original color for something new.



83.7666, 0.3159, 0.3057



80.4077, 0.3166, 0.3003



94.5550, 0.3023, 0.3399



18.2635, 0.3155, 0.3081



14.0104, 0.3512, 0.1708



1.3737, 0.3473, 0.1687

Previews

White Background



This preview shows how the Yxy color 83.7751, 0.3159, 0.3057 looks on a white background.

Color Contrast Check

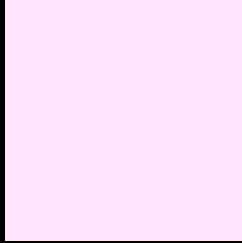
Large Text (above 18pt) WCAG AA × Fail

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 83.7751, 0.3159, 0.3057 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

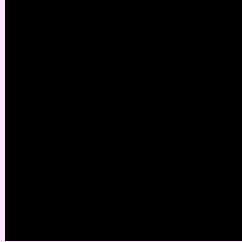
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 83.7751, 0.3159, 0.3057

Background



This preview shows how black text looks on a background with the Yxy color 83.7751, 0.3159, 0.3057.

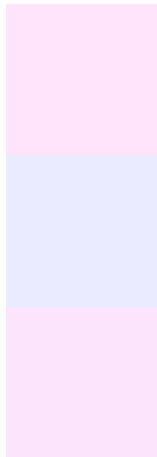


This preview shows how white text looks on a background with the Yxy color 83.7751, 0.3159, 0.3057.

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

83.7751, 0.3159, 0.3057

Protanopia

84.1291, 0.2999, 0.3089

Deuteranopia

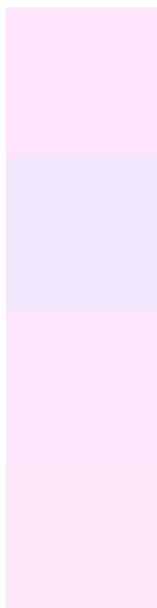
83.7623, 0.3138, 0.3066



Tritanopia

83.8249, 0.3183, 0.3114

Trichromacy



Original Color

83.7751, 0.3159, 0.3057

Protanomaly

83.7462, 0.3058, 0.3072

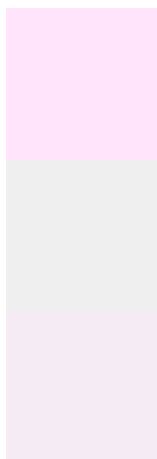
Deuteranomaly

83.9495, 0.3144, 0.3066

Tritanomaly

83.9490, 0.3170, 0.3095

Monochromacy



Original Color

83.7751, 0.3159, 0.3057

Achromatopsia

86.3157, 0.3127, 0.3290

Achromatomaly

85.3608, 0.3138, 0.3201

CSS Examples

Text

The CSS property to change the color of the text to Yxy 83.7751, 0.3159, 0.3057 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(255, 228, 252)` looks like.

```
.text, #text, p{  
    color:rgb(255, 228, 252)  
}
```

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(255, 228, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 228, 252) }
```

Border

The CSS property to change the border of an element to Yxy 83.7751, 0.3159, 0.3057 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(255, 228, 252) }
```

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

```
.border{ border-color:rgb(255, 228, 252) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 228, 252)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 228, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 228, 252);  
box-shadow:4px 4px 4px 4px rgb(255, 228,  
252) }
```


Background

The CSS property to change the background color of an element to Yxy 83.7751, 0.3159, 0.3057 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 228, 252) }
```

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

```
.background{ background-color: rgb(255,  
228, 252) }
```

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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