

Converting Colors

$Y_{xy}(96.1279, 0.3566, 0.3114)$

Have a look what the booklet for
Yxy(96.1279, 0.3566, 0.3114)
contains.

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Color

Yxy(83.5864, 0.3178, 0.3086)

Conversions

Conversions Part 1

Format	Color
Hex	FFE4F9
RGB	255, 228, 249
RGB Percent	100%, 89%, 98%
CMY	0.0000, 0.1058, 0.0237
CMYK	0.00, 0.11, 0.02, 0.00
HSL	313°, 100%, 95%
HSV	313°, 11%, 100%
XYZ	86.0783, 83.5864, 101.1921
YIQ	238.4670, 9.3510, 12.2550

Conversions

Conversions Part 2

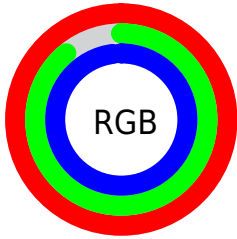
Format	Color
R _Y B	255, 228, 249
Decimal	16770297
CIE Lab	93.27, 12.76, -6.78
CIE LCh	93, 14.446, 332.017
Yxy	83.5864, 0.3178, 0.3086
Android (android.graphics.Color)	4294960377 (0xFFFFE4F9)
YUV	238.4670, 5.1928, 14.4994
Hunter-Lab	91.4256, 8.0651, -1.6257

Details

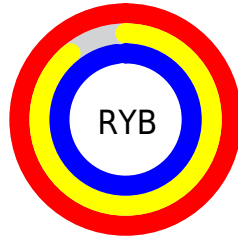
The Yxy color **83.5864, 0.3178, 0.3086** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **93.9585, 0.3080, 0.3503**, and the grayscale version is **85.8352, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **45.7432, 0.3183, 0.3042** is the 20% darker color. If you saturate the color by 10%, you get **70.2279, 0.3234, 0.2886**, and if you desaturate by 10%, it is **99.0313, 0.3130, 0.3279**.

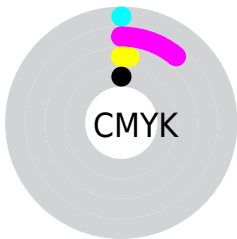
Distribution



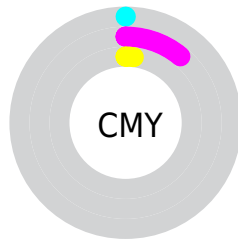
- Red (100%)
- Green (89%)
- Blue (98%)



- Red (100%)
- Yellow (89%)
- Blue (98%)



- Cyan (0%)
- Magenta (11%)
- Yellow (2%)
- Black (0%)




- Cyan (0%)
- Magenta (11%)
- Yellow (2%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 83.5864, 0.3178, 0.3086 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 83.5864, 0.3178, 0.3086 by changing the saturation by 10% instead.


 83.5864, 0.3178,
0.3086

 83.5864, 0.3178,
0.3086


506.9388, 0.3156,
0.3177

 62.6740, 0.3183,
0.3066

138.3965, 0.3171,
0.3117

 45.5775, 0.3189,
0.3042


173.0629, 0.3168,
0.3129

 31.9126, 0.3196,
0.3012

213.0829, 0.3165,
0.3139

 21.2947, 0.3205,
0.2974

258.8407, 0.3163,
0.3149

 13.3396, 0.3216,
0.2924

310.7208, 0.3161,
0.3157

 7.6628, 0.3232,
0.2855

369.1076, 0.3159,

 3.8800, 0.3255,

0.3164

0.2754

434.3855, 0.3157,
0.3171

■ 1.6066, 0.3289,
0.2592

■ 0.3621, 0.3476,
0.1920

■ 83.5864, 0.3178,
0.3086

■ 83.5864, 0.3178,
0.3086

■ 70.2279, 0.3234,
0.2886

99.0313, 0.3130,
0.3279

■ 58.8559, 0.3298,
0.2684

100.0000, 0.3127,
0.3290

■ 49.3765, 0.3371,
0.2487

■ 41.6846, 0.3451,
0.2303

■ 35.6648, 0.3537,
0.2144

■ 31.1882, 0.3627,
0.2020

■ 28.1067, 0.3717,
0.1939

■ 26.2434, 0.3805,
0.1906

■ 25.3377, 0.3885,
0.1914

Harmonies

Analogous

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



83.5864, 0.3011, 0.3019



83.5864, 0.3178, 0.3086



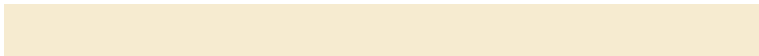
83.5864, 0.3335, 0.3204

Triad

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



83.5864, 0.3178, 0.3086



83.5864, 0.3378, 0.3566



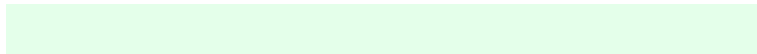
83.5864, 0.2828, 0.3220

Complementary

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



83.5864, 0.3178, 0.3086



93.9585, 0.3080, 0.3503

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.



83.5864, 0.2921, 0.3375



83.5864, 0.3178, 0.3086



83.5864, 0.3238, 0.3578

Square

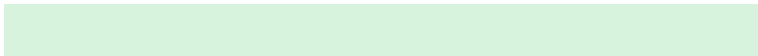
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



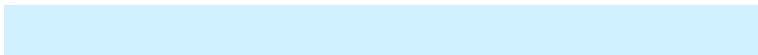
83.5864, 0.3178, 0.3086



83.5864, 0.3452, 0.3479



83.5864, 0.3070, 0.3508



83.5864, 0.2813, 0.3091

Rectangle

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



83.5864, 0.3178, 0.3086



83.5864, 0.3410, 0.3299



83.5864, 0.3070, 0.3508



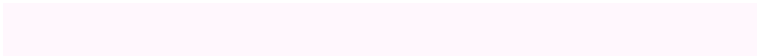
83.5864, 0.2851, 0.3271

Sweetspot

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



83.5896, 0.3178, 0.3086



95.1062, 0.3141, 0.3233



80.1804, 0.2998, 0.3017



20.0837, 0.3144, 0.3218



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.



83.5896, 0.3178, 0.3086



80.1749, 0.3191, 0.3038



82.7883, 0.3265, 0.3215



18.2268, 0.3172, 0.3107



13.2631, 0.3872, 0.1907



1.3076, 0.3780, 0.1856

Inverse Universe

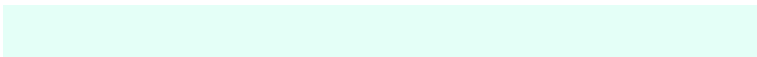
The Inverse Universe completely reimagines the original color for something new.



83.5896, 0.3178, 0.3086



80.1749, 0.3191, 0.3038



94.7527, 0.3006, 0.3366



18.2268, 0.3172, 0.3107



13.2631, 0.3872, 0.1907



1.3076, 0.3780, 0.1856

Previews

White Background



This preview shows how the Yxy color 83.5864, 0.3178, 0.3086 looks on a white background.

Color Contrast Check

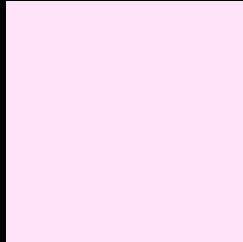
Large Text (above 18pt) WCAG AA × Fail

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 83.5864, 0.3178, 0.3086 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

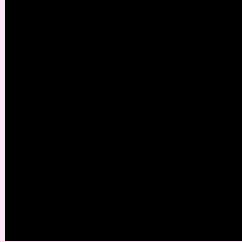
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 83.5864, 0.3178, 0.3086

Background



This preview shows how black text looks on a background with the Yxy color 83.5864, 0.3178, 0.3086.

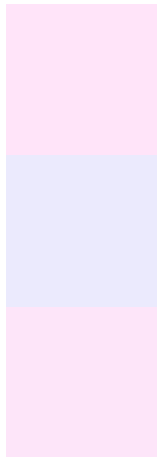


This preview shows how white text looks on a background with the Yxy color 83.5864, 0.3178, 0.3086.

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

83.5864, 0.3178, 0.3086

Protanopia

83.5997, 0.3018, 0.3099

Deuteranopia

83.7608, 0.3164, 0.3095



Tritanopia

83.4006, 0.3197, 0.3114

Trichromacy



Original Color

83.5864, 0.3178, 0.3086

Protanomaly

83.6187, 0.3070, 0.3091

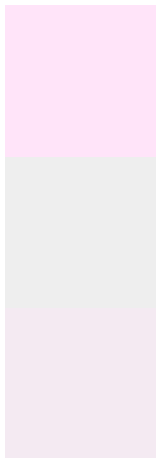
Deuteranomaly

83.9490, 0.3170, 0.3095

Tritanomaly

83.4622, 0.3191, 0.3105

Monochromacy



Original Color

83.5864, 0.3178, 0.3086

Achromatopsia

85.4993, 0.3127, 0.3290

Achromatomaly

84.4895, 0.3144, 0.3210

CSS Examples

Text

The CSS property to change the color of the text to Yxy 83.5864, 0.3178, 0.3086 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, 249)` looks like.

```
.text, #text, p{  
    color:rgb(255, 228, 249)  
}
```

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, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 228, 249) }
```

Border

The CSS property to change the border of an element to Yxy 83.5864, 0.3178, 0.3086 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, 249) }
```

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

```
.border{ border-color:rgb(255, 228, 249) }
```

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, 249)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 228, 249); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 228, 249);  
box-shadow:4px 4px 4px 4px rgb(255, 228,  
249) }
```


Background

The CSS property to change the background color of an element to Yxy 83.5864, 0.3178, 0.3086 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, 249) }
```

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

```
.background{ background-color: rgb(255,  
228, 249) }
```

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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