

Converting Colors

$Y_{xy}(103.1379, 0.2259, 0.1763)$

Have a look what the booklet for
Yxy(103.1379, 0.2259, 0.1763)
contains.

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Color

Yxy(84.6958, 0.3105, 0.3056)

Conversions

Conversions Part 1

Format	Color
Hex	FAE7FF
RGB	250, 231, 255
RGB Percent	98%, 91%, 100%
CMY	0.0195, 0.0941, 0.0001
CMYK	0.02, 0.09, 0.00, 0.00
HSL	288°, 100%, 95%
HSV	288°, 9%, 100%
XYZ	86.0538, 84.6958, 106.3963
YIQ	239.4170, 3.6200, 11.4920

Conversions

Conversions Part 2

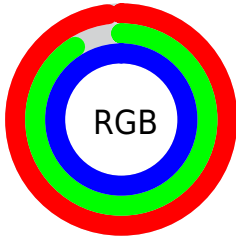
Format	Color
R _Y B	250, 231, 255
Decimal	16443391
CIE Lab	93.75, 10.64, -9.24
CIE LCh	94, 14.088, 319.024
Yxy	84.6958, 0.3105, 0.3056
Android (android.graphics.Color)	4294633471 (0xFFFAE7FF)
YUV	239.4170, 7.6824, 9.2813
Hunter-Lab	92.0303, 5.8550, -4.1240

Details

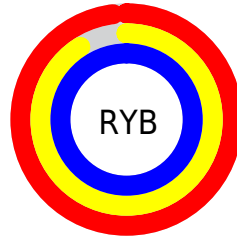
The Yxy color **84.6958, 0.3105, 0.3056** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **95.0958, 0.3147, 0.3531**, and the grayscale version is **86.5990, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **46.0746, 0.3097, 0.3003** is the 20% darker color. If you saturate the color by 10%, you get **70.4930, 0.3076, 0.2795**, and if you desaturate by 10%, it is **99.9983, 0.3127, 0.3290**.

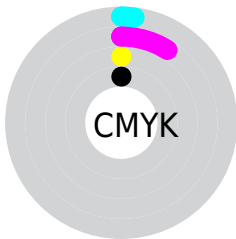
Distribution



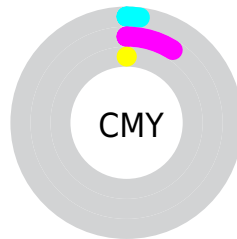
- Red (98%)
- Green (91%)
- Blue (100%)



- Red (98%)
- Yellow (91%)
- Blue (100%)



- Cyan (2%)
- Magenta (9%)
- Yellow (0%)
- Black (0%)





- Cyan (2%)
- Magenta (9%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 84.6958, 0.3105, 0.3056 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 84.6958, 0.3105, 0.3056 by changing the saturation by 10% instead.


 84.6958, 0.3105,
0.3056

 84.6958, 0.3105,
0.3056


510.6209, 0.3116,
0.3160

 63.5901, 0.3102,
0.3033

139.9481, 0.3109,
0.3091

 46.3187, 0.3099,
0.3006

174.8634, 0.3110,
0.3105

 32.4974, 0.3095,
0.2972


215.1507, 0.3112,
0.3117

 21.7417, 0.3090,
0.2929

261.1944, 0.3113,
0.3128

 13.6672, 0.3082,
0.2872

313.3789, 0.3114,
0.3137

 7.8896, 0.3071,
0.2794

372.0886, 0.3114,

 4.0244, 0.3053,

0.3145

0.2681

437.7078, 0.3115,
0.3153

■ 1.6872, 0.3020,
0.2502

■ 0.4154, 0.3010,
0.1910

■ 84.6958, 0.3105,
0.3056

■ 84.6958, 0.3105,
0.3056

■ 70.4930, 0.3076,
0.2795

99.9983, 0.3127,
0.3290

■ 58.3028, 0.3042,
0.2529

■ 48.0327, 0.3001,
0.2263

■ 39.5786, 0.2956,
0.2010

■ 32.8262, 0.2905,
0.1779

■ 27.6483, 0.2851,
0.1582

■ 23.8995, 0.2795,
0.1427

■ 21.4070, 0.2739,
0.1320

■ 19.9058, 0.2685,
0.1254

Harmonies

Analogous

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



84.6958, 0.2953, 0.3018



84.6958, 0.3105, 0.3056



84.6958, 0.3267, 0.3152

Triad

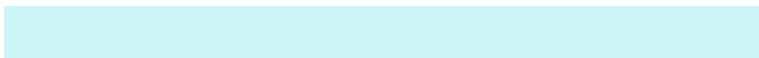
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



84.6958, 0.3105, 0.3056



84.6958, 0.3411, 0.3529



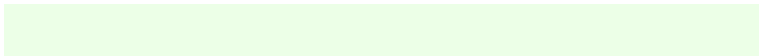
84.6958, 0.2868, 0.3287

Complementary

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



84.6958, 0.3105, 0.3056



95.0958, 0.3147, 0.3531

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.



84.6958, 0.2985, 0.3433



84.6958, 0.3105, 0.3056



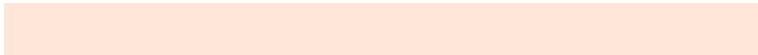
84.6958, 0.3299, 0.3574

Square

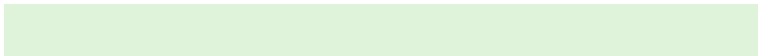
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



84.6958, 0.3105, 0.3056



84.6958, 0.3446, 0.3422



84.6958, 0.3143, 0.3540



84.6958, 0.2818, 0.3146

Rectangle

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



84.6958, 0.3105, 0.3056



84.6958, 0.3358, 0.3238



84.6958, 0.3143, 0.3540



84.6958, 0.2900, 0.3337

Sweetspot

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



84.6994, 0.3105, 0.3056



94.9178, 0.3121, 0.3217



84.3100, 0.2980, 0.3100



20.0326, 0.3119, 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.



84.6994, 0.3105, 0.3056



82.3100, 0.3101, 0.3015



85.1953, 0.3181, 0.3123



18.1001, 0.3105, 0.3053



10.4292, 0.2691, 0.1256



1.0608, 0.2753, 0.1290

Inverse Universe

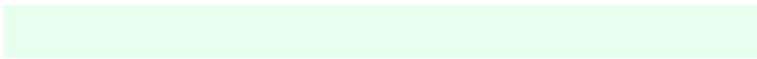
The Inverse Universe completely reimagines the original color for something new.



84.4597, 0.3260, 0.3242



82.0389, 0.3285, 0.3233



94.6527, 0.3077, 0.3463



18.0483, 0.3262, 0.3241



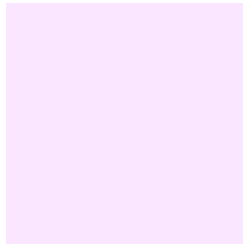
11.2583, 0.6063, 0.3114



1.1111, 0.5763, 0.2948

Previews

White Background



This preview shows how the Yxy color 84.6958, 0.3105, 0.3056 looks on a white background.

Color Contrast Check

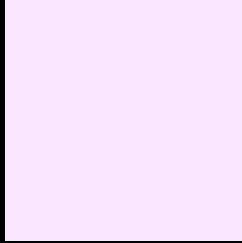
Large Text (above 18pt) WCAG AA × Fail

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 84.6958, 0.3105, 0.3056 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

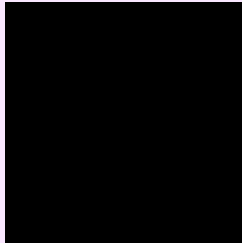
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

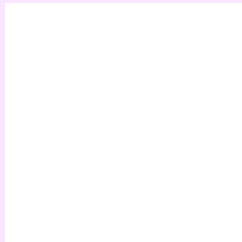
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 84.6958, 0.3105, 0.3056

Background



This preview shows how black text looks on a background with the Yxy color 84.6958, 0.3105, 0.3056.

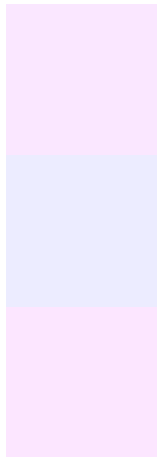


This preview shows how white text looks on a background with the Yxy color 84.6958, 0.3105, 0.3056.

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

84.6958, 0.3105, 0.3056

Protanopia

85.0438, 0.3012, 0.3100

Deuteranopia

84.5091, 0.3118, 0.3047



Tritanopia

84.7551, 0.3129, 0.3113

Trichromacy



Original Color

84.6958, 0.3105, 0.3056

Protanomaly

84.7664, 0.3045, 0.3082

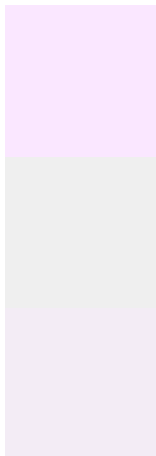
Deuteranomaly

84.3229, 0.3112, 0.3046

Tritanomaly

84.8812, 0.3116, 0.3094

Monochromacy



Original Color

84.6958, 0.3105, 0.3056

Achromatopsia

86.3157, 0.3127, 0.3290

Achromatomaly

85.6382, 0.3118, 0.3200

CSS Examples

Text

The CSS property to change the color of the text to Yxy 84.6958, 0.3105, 0.3056 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(250, 231, 255)` looks like.

```
.text, #text, p{  
    color:rgb(250, 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(250, 231, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(250, 231, 255) }
```

Border

The CSS property to change the border of an element to Yxy 84.6958, 0.3105, 0.3056 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(250, 231, 255) }
```

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

```
.border{ border-color:rgb(250, 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(250, 231, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(250, 231, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(250, 231, 255);  
box-shadow:4px 4px 4px 4px rgb(250, 231,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 84.6958, 0.3105, 0.3056 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(250, 231, 255) }
```

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

```
.background{ background-color: rgb(250,  
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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