

Converting Colors

$Y_{xy}(100.0000, 0.2432, 0.2076)$

Have a look what the booklet for
Yxy(100.0000, 0.2432, 0.2076)
contains.

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Color

Yxy(87.7448, 0.3089, 0.3114)

Conversions

Conversions Part 1

Format	Color
Hex	F8EDFF
RGB	248, 237, 255
RGB Percent	97%, 93%, 100%
CMY	0.0276, 0.0705, 0.0000
CMYK	0.03, 0.07, 0.00, 0.00
HSL	277°, 100%, 96%
HSV	277°, 7%, 100%
XYZ	87.0404, 87.7448, 106.9900
YIQ	242.3410, 0.7780, 7.9300

Conversions

Conversions Part 2

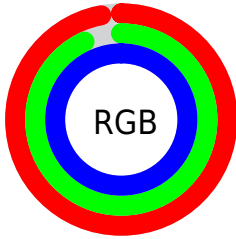
Format	Color
R _Y B	248, 237, 255
Decimal	16313855
CIE Lab	95.05, 6.87, -7.36
CIE LCh	95, 10.069, 313.009
Yxy	87.7448, 0.3089, 0.3114
Android (android.graphics.Color)	4294503935 (0xFFFF8EDFF)
YUV	242.3410, 6.2409, 4.9629
Hunter-Lab	93.6722, 1.9362, -2.1490

Details

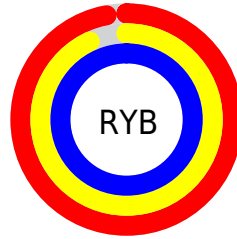
The Yxy color 87.7448, 0.3089, 0.3114 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 96.8774, 0.3163, 0.3467, and the grayscale version is 89.0229, 0.3127, 0.3290.

A 20% lighter version of the original color is 100.0000, 0.3127, 0.3290, and 48.3314, 0.3087, 0.3079 is the 20% darker color. If you saturate the color by 10%, you get 72.2388, 0.3027, 0.2850, and if you desaturate by 10%, it is 100.0000, 0.3127, 0.3290.

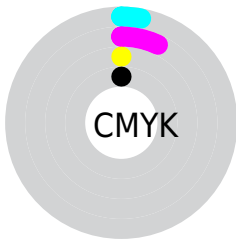
Distribution



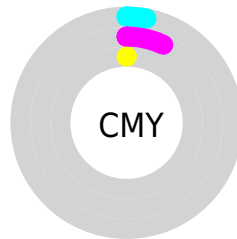
- Red (97%)
- Green (93%)
- Blue (100%)



- Red (97%)
- Yellow (93%)
- Blue (100%)



- Cyan (3%)
- Magenta (7%)
- Yellow (0%)
- Black (0%)




- Cyan (3%)
- Magenta (7%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 87.7448, 0.3089, 0.3114 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 87.7448, 0.3089, 0.3114 by changing the saturation by 10% instead.


 87.7448, 0.3089,
0.3114

 87.7448, 0.3089,
0.3114


520.6671, 0.3106,
0.3192

 66.1117, 0.3085,
0.3097


144.2018, 0.3095,
0.3140

 48.3631, 0.3080,
0.3076


179.7946, 0.3097,
0.3151

 34.1145, 0.3074,
0.3051


220.8093, 0.3099,
0.3160

 22.9816, 0.3066,
0.3018

267.6305, 0.3101,
0.3168

 14.5799, 0.3056,
0.2976

320.6425, 0.3103,
0.3175

 8.5251, 0.3041,
0.2917

380.2296, 0.3104,

 4.4327, 0.3018,

0.3181

0.2832

446.7764, 0.3105,
0.3187

■ 1.9185, 0.2979,
0.2698

■ 0.5594, 0.2924,
0.2339

■ 87.7448, 0.3089,
0.3114

■ 87.7448, 0.3089,
0.3114

■ 72.2388, 0.3027,
0.2850

100.0000, 0.3127,
0.3290

■ 58.8389, 0.2954,
0.2571

■ 47.4503, 0.2871,
0.2284

■ 37.9695, 0.2778,
0.2000

■ 30.2834, 0.2677,
0.1729

■ 24.2668, 0.2571,
0.1486

■ 19.7776, 0.2463,
0.1283

■ 16.6493, 0.2359,
0.1129

■ 14.6693, 0.2261,
0.1028

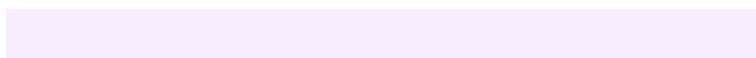
Harmonies

Analogous

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



87.7448, 0.2986, 0.3097



87.7448, 0.3089, 0.3114



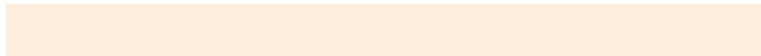
87.7448, 0.3204, 0.3176

Triad

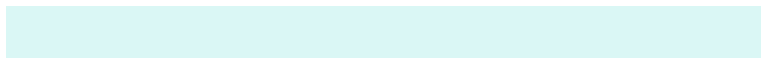
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



87.7448, 0.3089, 0.3114



87.7448, 0.3337, 0.3447



87.7448, 0.2957, 0.3310

Complementary

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



87.7448, 0.3089, 0.3114



96.8774, 0.3163, 0.3467

Split Complementary

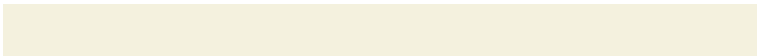
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



87.7448, 0.3048, 0.3409



87.7448, 0.3089, 0.3114



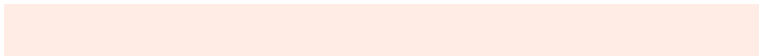
87.7448, 0.3268, 0.3488

Square

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



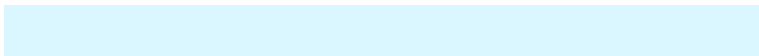
87.7448, 0.3089, 0.3114



87.7448, 0.3349, 0.3366



87.7448, 0.3162, 0.3474



87.7448, 0.2910, 0.3208

Rectangle

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



87.7448, 0.3089, 0.3114



87.7448, 0.3272, 0.3235



87.7448, 0.3162, 0.3474



87.7448, 0.2983, 0.3345

Sweetspot

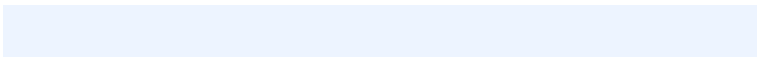
The Sweet Spot groups the original color and five complimentary colors.



87.7459, 0.3089, 0.3114



96.4126, 0.3117, 0.3241



90.0536, 0.3018, 0.3183



20.6739, 0.3117, 0.3244



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.



87.7459, 0.3089, 0.3114



86.1853, 0.3084, 0.3090



88.9410, 0.3146, 0.3134



17.9249, 0.3075, 0.3051



7.5145, 0.2249, 0.1013



0.7949, 0.2356, 0.1072

Inverse Universe

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



88.3710, 0.3203, 0.3222



86.8937, 0.3214, 0.3212



95.7478, 0.3108, 0.3451



18.1048, 0.3232, 0.3197



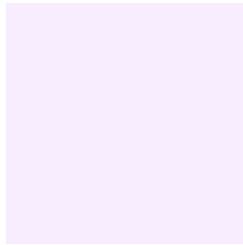
11.6145, 0.5420, 0.2759



1.1516, 0.5115, 0.2592

Previews

White Background



This preview shows how the Yxy color 87.7448, 0.3089, 0.3114 looks on a white background.

Color Contrast Check

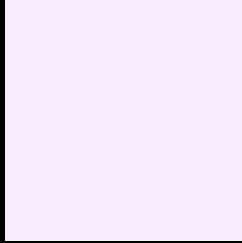
Large Text (above 18pt) WCAG AA × Fail

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 87.7448, 0.3089, 0.3114 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

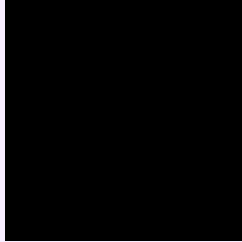
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

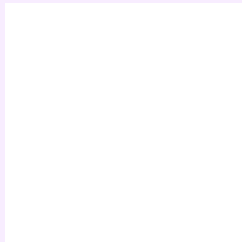
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 87.7448, 0.3089, 0.3114

Background



This preview shows how black text looks on a background with the Yxy color 87.7448, 0.3089, 0.3114.



This preview shows how white text looks on a background with the Yxy color 87.7448, 0.3089, 0.3114.

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

87.7448, 0.3089, 0.3114

Protanopia

87.6538, 0.3044, 0.3132

Deuteranopia

87.8324, 0.3142, 0.3107



Tritanopia

87.7448, 0.3089, 0.3114

Trichromacy



Original Color

87.7448, 0.3089, 0.3114

Protanomaly

87.6022, 0.3063, 0.3123

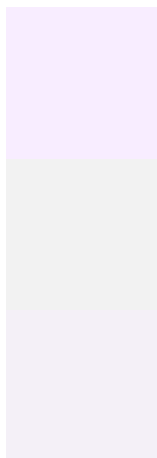
Deuteranomaly

87.8421, 0.3122, 0.3115

Tritanomaly

87.7448, 0.3089, 0.3114

Monochromacy



Original Color

87.7448, 0.3089, 0.3114

Achromatopsia

88.7923, 0.3127, 0.3290

Achromatomaly

88.2687, 0.3111, 0.3221

CSS Examples

Text

The CSS property to change the color of the text to Yxy 87.7448, 0.3089, 0.3114 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(248, 237, 255)` looks like.

```
.text, #text, p{  
    color:rgb(248, 237, 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(248, 237, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(248, 237, 255) }
```

Border

The CSS property to change the border of an element to Yxy 87.7448, 0.3089, 0.3114 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(248, 237, 255) }
```

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

```
.border{ border-color:rgb(248, 237, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(248, 237, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(248, 237, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(248, 237, 255);  
box-shadow:4px 4px 4px 4px rgb(248, 237,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 87.7448, 0.3089, 0.3114 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(248, 237, 255) }
```

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

```
.background{ background-color: rgb(248,  
237, 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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