

Converting Colors

$Y_{xy}(88.7562, 0.3095, 0.3129)$

Have a look what the booklet for
Yxy(88.7562, 0.3095, 0.3129)
contains.

| | |
|--|----|
| Yxy(88.5088, 0.3096, 0.3125) | 3 |
| <i>Conversions</i> | 4 |
| <i>Details</i> | 6 |
| <i>Harmonies</i> | 12 |
| <i>Previews</i> | 24 |
| <i>Color Blindness Simulation</i> | 27 |
| <i>CSS Examples</i> | 30 |

Color

Yxy(88.5088, 0.3096, 0.3125)

Conversions

Conversions Part 1

| Format | Color |
|-------------|----------------------------|
| Hex | F9EEFF |
| RGB | 249, 238, 255 |
| RGB Percent | 98%, 93%, 100% |
| CMY | 0.0235, 0.0666, 0.0002 |
| CMYK | 0.02, 0.07, 0.00, 0.00 |
| HSL | 279°, 99%, 97% |
| HSV | 279°, 7%, 100% |
| XYZ | 87.6874, 88.5088, 107.0319 |
| YIQ | 243.2270, 1.0990, 7.6190 |

Conversions

Conversions Part 2

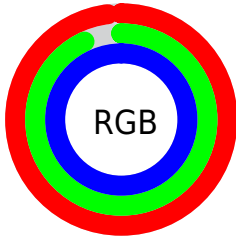
| Format | Color |
|-------------------------------------|-----------------------------|
| R _Y B | 249, 238, 255 |
| Decimal | 16379647 |
| CIE Lab | 95.37, 6.68, -6.83 |
| CIE LCh | 95, 9.559, 314.357 |
| Yxy | 88.5088, 0.3096, 0.3125 |
| Android (android.graphics.Color) | 4294569727 (0xFF9EEFF) |
| YUV | 243.2270, 5.8041, 5.0629 |
| Hunter-Lab | 94.0791, 1.7344, -1.5977 |

Details

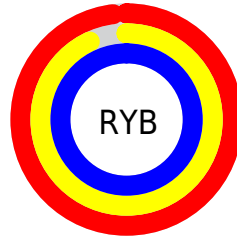
The Yxy color 88.5088, 0.3096, 0.3125 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 96.8911, 0.3156, 0.3457, and the grayscale version is 89.7717, 0.3127, 0.3290.

A 20% lighter version of the original color is 100.0000, 0.3127, 0.3290, and 48.8706, 0.3095, 0.3092 is the 20% darker color. If you saturate the color by 10%, you get 73.0970, 0.3042, 0.2863, and if you desaturate by 10%, it is 99.9972, 0.3127, 0.3290.

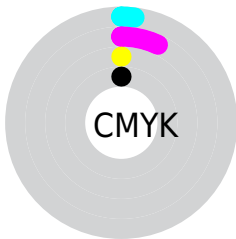
Distribution



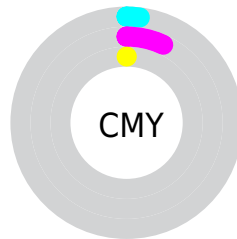
- Red (98%)
- Green (93%)
- Blue (100%)



- Red (98%)
- Yellow (93%)
- Blue (100%)



- Cyan (2%)
- Magenta (7%)
- Yellow (0%)
- Black (0%)





- Cyan (2%)
- Magenta (7%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 88.5088, 0.3096, 0.3125 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 88.5088, 0.3096, 0.3125 by changing the saturation by 10% instead.

 88.5088, 0.3096,
0.3125

 88.5088, 0.3096,
0.3125


523.1680, 0.3110,
0.3198

 66.7445, 0.3093,
0.3109


145.2653, 0.3101,
0.3150

 48.8770, 0.3089,
0.3090


181.0263, 0.3103,
0.3159

 34.5219, 0.3084,
0.3066


222.2217, 0.3105,
0.3168

 23.2949, 0.3077,
0.3036

269.2359, 0.3106,
0.3175

 14.8114, 0.3069,
0.2996

322.4532, 0.3107,
0.3182

 8.6871, 0.3056,
0.2941

382.2580, 0.3108,

 4.5377, 0.3038,

0.3188

0.2862

449.0349, 0.3109,
0.3193

■ 1.9786, 0.3006,
0.2736

■ 0.5950, 0.2964,
0.2420

■ 88.5088, 0.3096,
0.3125

■ 88.5088, 0.3096,
0.3125

■ 73.0970, 0.3042,
0.2863

99.9972, 0.3127,
0.3290

■ 59.7730, 0.2978,
0.2587

■ 48.4454, 0.2905,
0.2305

■ 39.0116, 0.2822,
0.2025

■ 31.3594, 0.2732,
0.1761

■ 25.3647, 0.2637,
0.1524

■ 20.8869, 0.2540,
0.1327

■ 17.7611, 0.2446,
0.1179

■ 15.7803, 0.2356,
0.1081

Harmonies

Analogous

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



88.5088, 0.2997, 0.3107



88.5088, 0.3096, 0.3125



88.5088, 0.3205, 0.3185

Triad

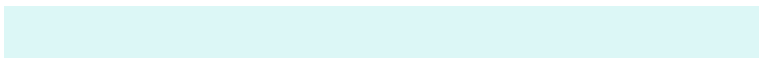
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



88.5088, 0.3096, 0.3125



88.5088, 0.3324, 0.3442



88.5088, 0.2963, 0.3305

Complementary

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



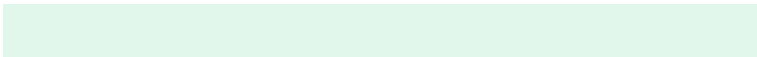
88.5088, 0.3096, 0.3125



96.8911, 0.3156, 0.3457

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.



88.5088, 0.3048, 0.3399



88.5088, 0.3096, 0.3125



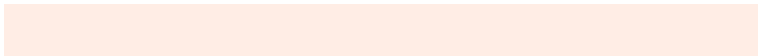
88.5088, 0.3257, 0.3478

Square

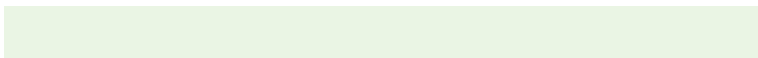
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



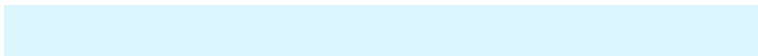
88.5088, 0.3096, 0.3125



88.5088, 0.3338, 0.3366



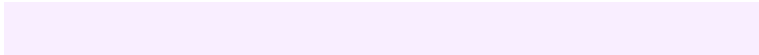
88.5088, 0.3156, 0.3463



88.5088, 0.2921, 0.3208

Rectangle

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



88.5088, 0.3096, 0.3125



88.5088, 0.3268, 0.3242



88.5088, 0.3156, 0.3463



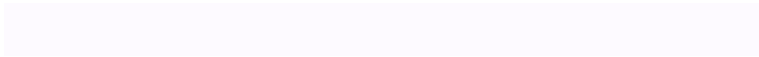
88.5088, 0.2987, 0.3338

Sweetspot

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



88.5126, 0.3096, 0.3125



96.4512, 0.3118, 0.3241



90.2314, 0.3025, 0.3184



20.6817, 0.3119, 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.



88.5126, 0.3096, 0.3125



86.3352, 0.3089, 0.3090



89.4784, 0.3149, 0.3149



17.9627, 0.3081, 0.3052



8.0674, 0.2341, 0.1063



0.8465, 0.2440, 0.1118

Inverse Universe

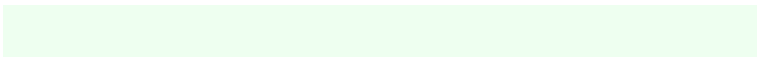
The Inverse Universe completely reimagines the original color for something new.



88.9348, 0.3203, 0.3232



86.8442, 0.3220, 0.3220



95.9781, 0.3106, 0.3436



18.0924, 0.3239, 0.3207



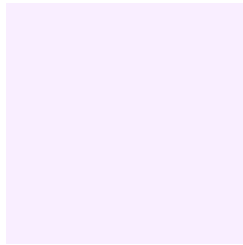
11.5155, 0.5580, 0.2847



1.1410, 0.5264, 0.2674

Previews

White Background



This preview shows how the Yxy color 88.5088, 0.3096, 0.3125 looks on a white background.

Color Contrast Check

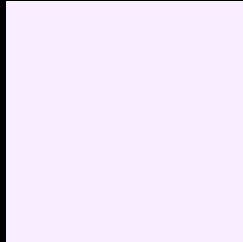
Large Text (above 18pt) WCAG AA × Fail

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 88.5088, 0.3096, 0.3125 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

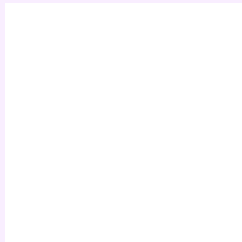
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 88.5088, 0.3096, 0.3125

Background



This preview shows how black text looks on a background with the Yxy color 88.5088, 0.3096, 0.3125.



This preview shows how white text looks on a background with the Yxy color 88.5088, 0.3096, 0.3125.

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

88.5088, 0.3096, 0.3125

Protanopia

88.4174, 0.3050, 0.3142

Deuteranopia

88.3428, 0.3148, 0.3126



Tritanopia

88.3255, 0.3089, 0.3124

Trichromacy



Original Color

88.5088, 0.3096, 0.3125

Protanomaly

88.3655, 0.3070, 0.3133

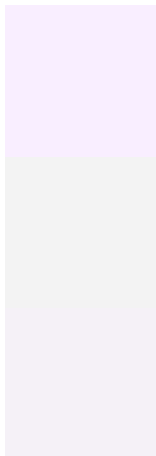
Deuteranomaly

88.6068, 0.3128, 0.3126

Tritanomaly

88.3255, 0.3089, 0.3124

Monochromacy



Original Color

88.5088, 0.3096, 0.3125

Achromatopsia

89.6269, 0.3127, 0.3290

Achromatomaly

89.0385, 0.3117, 0.3231

CSS Examples

Text

The CSS property to change the color of the text to Yxy 88.5088, 0.3096, 0.3125 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(249, 238, 255)` looks like.

```
.text, #text, p{  
    color:rgb(249, 238, 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(249, 238, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(249, 238, 255) }
```

Border

The CSS property to change the border of an element to Yxy 88.5088, 0.3096, 0.3125 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(249, 238, 255) }
```

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

```
.border{ border-color:rgb(249, 238, 255) }
```

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

Here you see how a box with a 4 pixel rgb(249, 238, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(249, 238, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(249, 238, 255);  
box-shadow:4px 4px 4px 4px rgb(249, 238,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 88.5088, 0.3096, 0.3125 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(249, 238, 255) }
```

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

```
.background{ background-color: rgb(249,  
238, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor