

# Converting Colors

$Yxy(88.3429, 0.3124, 0.3197)$

Have a look what the booklet for  
Yxy(88.3429, 0.3124, 0.3197)  
contains.

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# Color

**Yxy(88.2845, 0.3125, 0.3202)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F7EFF8
RGB	247, 239, 248
RGB Percent	97%, 94%, 97%
CMY	0.0314, 0.0627, 0.0276
CMYK	0.00, 0.04, 0.00, 0.03
HSL	294°, 39%, 95%
HSV	294°, 4%, 97%
XYZ	86.1615, 88.2845, 101.2708
YIQ	242.4180, 1.8790, 4.4950

# Conversions

## Conversions Part 2

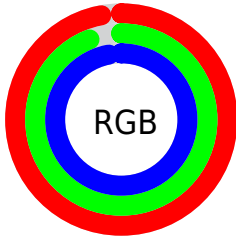
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	247, 239, 248
Decimal	16248824
CIE <sub>Lab</sub>	95.28, 4.25, -3.36
CIE <sub>LCh</sub>	95, 5.419, 321.638
Yxy	88.2845, 0.3125, 0.3202
Android (android.graphics.Color)	4294438904 (0xFF7EFF8)
<b>YUV</b>	242.4180, 2.7519, 4.0184
Hunter-Lab	93.9598, -0.7446, 1.8686

# Details

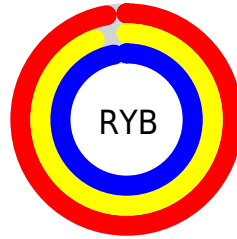
The Yxy color 88.2845, 0.3125, 0.3202 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 91.8616, 0.3129, 0.3379, and the grayscale version is 89.1187, 0.3127, 0.3290.

A 20% lighter version of the original color is 100.0000, 0.3127, 0.3290, and 48.7491, 0.3124, 0.3177 is the 20% darker color. If you saturate the color by 10%, you get 74.2713, 0.3117, 0.2951, and if you desaturate by 10%, it is 98.5552, 0.3135, 0.3358.

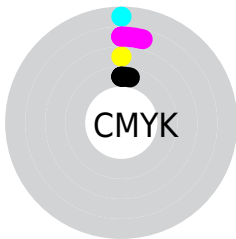
# Distribution



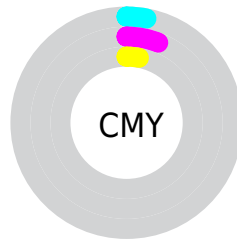
- Red (97%)
- Green (94%)
- Blue (97%)



- Red (97%)
- Yellow (94%)
- Blue (97%)



- Cyan (0%)
- Magenta (4%)
- Yellow (0%)
- Black (3%)




- Cyan (3%)
- Magenta (6%)
- Yellow (3%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 88.2845, 0.3125, 0.3202 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 88.2845, 0.3125, 0.3202 by changing the saturation by 10% instead.




 88.2845, 0.3125,  
0.3202

 88.2845, 0.3125,  
0.3202

522.4345, 0.3126,  
0.3241

 66.5587, 0.3125,  
0.3193

144.9532, 0.3125,  
0.3215

 48.7261, 0.3124,  
0.3183


180.6649, 0.3126,  
0.3221

 34.4022, 0.3124,  
0.3170


221.8073, 0.3126,  
0.3225

 23.2028, 0.3123,  
0.3153

268.7648, 0.3126,  
0.3229

 14.7433, 0.3122,  
0.3132

321.9220, 0.3126,  
0.3233

 8.6394, 0.3121,  
0.3102

381.6630, 0.3126,

 4.5068, 0.3119,

0.3236

448.3724, 0.3126,  
0.3239

0.3057

■ 1.9609, 0.3115,  
0.2986

■ 0.5846, 0.3117,  
0.2763

■ 88.2845, 0.3125,  
0.3202

■ 88.2845, 0.3125,  
0.3202

■ 74.2713, 0.3117,  
0.2951

■ 98.5552, 0.3135,  
0.3358

■ 62.1723, 0.3107,  
0.2693

■ 99.0487, 0.3151,  
0.3358

■ 51.9051, 0.3093,  
0.2435

■ 99.5491, 0.3168,  
0.3357

■ 43.3771, 0.3076,  
0.2187

■ 99.5547, 0.3168,  
0.3357

■ 36.4875, 0.3056,  
0.1959

■ 31.1253, 0.3033,  
0.1762

■ 27.1655, 0.3008,  
0.1603

■ 24.4633, 0.2981,  
0.1488

■ 22.8424, 0.2953,  
0.1418

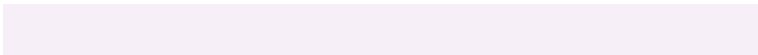
# Harmonies

## Analogous

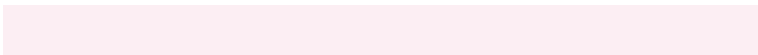
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



88.2845, 0.3066, 0.3185



88.2845, 0.3125, 0.3202



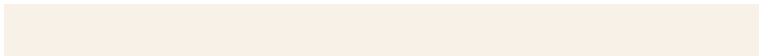
88.2845, 0.3185, 0.3241

# Triad

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



88.2845, 0.3125, 0.3202



88.2845, 0.3232, 0.3384



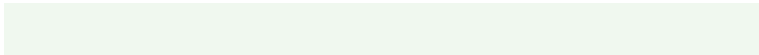
88.2845, 0.3025, 0.3285

# Complementary

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



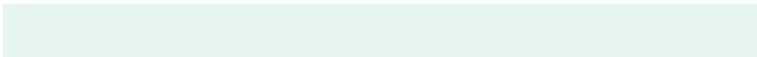
88.2845, 0.3125, 0.3202



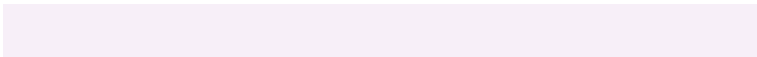
91.8616, 0.3129, 0.3379

# 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.



88.2845, 0.3069, 0.3340



88.2845, 0.3125, 0.3202



88.2845, 0.3188, 0.3397

# Square

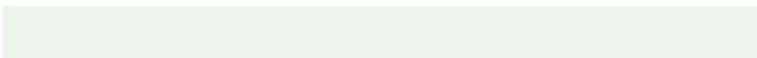
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



88.2845, 0.3125, 0.3202



88.2845, 0.3248, 0.3346



88.2845, 0.3129, 0.3381

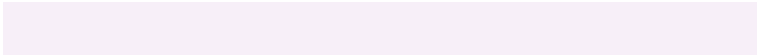


88.2845, 0.3008, 0.3233

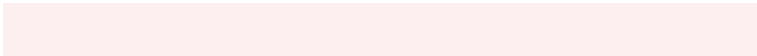


# Rectangle

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



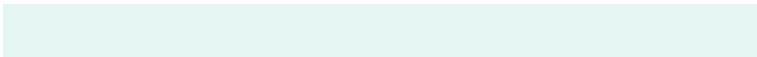
88.2845, 0.3125, 0.3202



88.2845, 0.3218, 0.3276



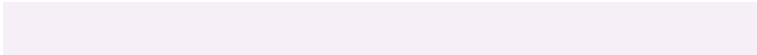
88.2845, 0.3129, 0.3381



88.2845, 0.3037, 0.3304

# Sweetspot

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



88.2883, 0.3125, 0.3202



98.3320, 0.3127, 0.3266



87.4800, 0.3073, 0.3211



21.0647, 0.3127, 0.3267



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.



88.2883, 0.3125, 0.3202



93.4571, 0.3125, 0.3192



88.2522, 0.3152, 0.3236



18.9084, 0.3124, 0.3174



12.0386, 0.2940, 0.1393

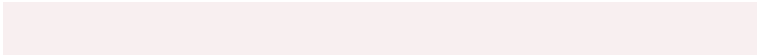


1.1412, 0.2974, 0.1412



# Inverse Universe

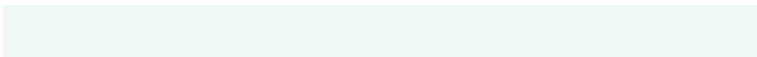
The Inverse Universe completely reimagines the original color for something new.



87.9778, 0.3180, 0.3281



93.0911, 0.3187, 0.3280



91.8989, 0.3103, 0.3345



18.8200, 0.3198, 0.3278



10.8318, 0.6276, 0.3231

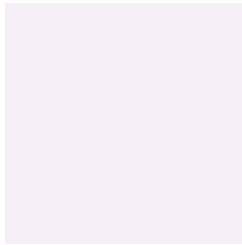


1.0128, 0.6041, 0.3102



# Previews

## White Background



This preview shows how the Yxy color 88.2845, 0.3125, 0.3202 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

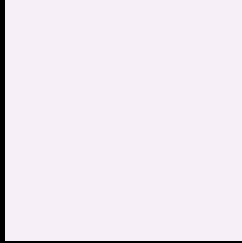
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 88.2845, 0.3125, 0.3202 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

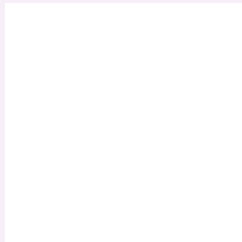
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 88.2845, 0.3125, 0.3202**

## **Background**



This preview shows how black text looks on a background with the Yxy color 88.2845, 0.3125, 0.3202.

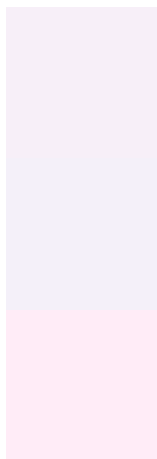


This preview shows how white text looks on a background with the Yxy color 88.2845, 0.3125, 0.3202.

# 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

88.2845, 0.3125, 0.3202

### Protanopia

88.3928, 0.3099, 0.3201

### Deuteranopia

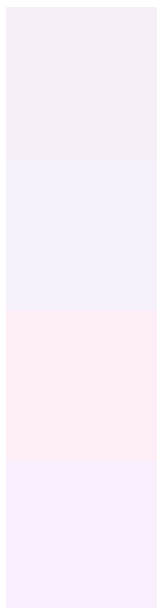
87.9663, 0.3186, 0.3183



## Tritanopia

88.3255, 0.3089, 0.3124

# Trichromacy



## Original Color

88.2845, 0.3125, 0.3202

## Protanomaly

88.5722, 0.3105, 0.3201

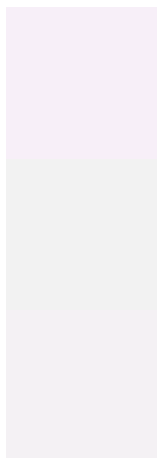
## Deuteranomaly

87.9792, 0.3165, 0.3193

## Tritanomaly

88.1338, 0.3107, 0.3153

# Monochromacy



## Original Color

88.2845, 0.3125, 0.3202

## Achromatopsia

88.7923, 0.3127, 0.3290

## Achromatomaly

88.6753, 0.3129, 0.3260

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 88.2845, 0.3125, 0.3202 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(247, 239, 248)` looks like.

```
.text, #text, p{  
    color:rgb(247, 239, 248)  
}
```

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(247, 239, 248) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(247, 239, 248) }
```

## Border

The CSS property to change the border of an element to Yxy 88.2845, 0.3125, 0.3202 is called "border". The border property can be set on classes, ids or directly on the HTML element.

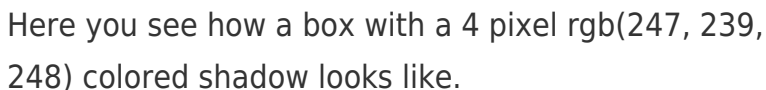
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(247, 239, 248) }
```

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

```
.border{ border-color:rgb(247, 239, 248) }
```

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



Here you see how a box with a 4 pixel `rgb(247, 239, 248)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(247, 239, 248); -webkit-box-shadow:4px 4px 4px 4px rgb(247, 239, 248); box-shadow:4px 4px 4px 4px rgb(247, 239, 248) }
```



# Background

The CSS property to change the background color of an element to Yxy 88.2845, 0.3125, 0.3202 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(247, 239, 248) }
```

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

```
.background{ background-color: rgb(247,  
239, 248) }
```

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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