

# Converting Colors

$Yxy(88.4735, 0.3616, 0.4164)$

Have a look what the booklet for  
Yxy(88.4735, 0.3616, 0.4164)  
contains.

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# Color

**Yxy(88.7981, 0.3616, 0.4167)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F3F8A2
RGB	243, 248, 162
RGB Percent	95%, 97%, 64%
CMY	0.0469, 0.0275, 0.3648
CMYK	0.02, 0.00, 0.35, 0.03
HSL	63°, 86%, 80%
HSV	63°, 35%, 97%
XYZ	77.0564, 88.7981, 47.2439
YIQ	236.7010, 24.6260, -27.8060

# Conversions

## Conversions Part 2

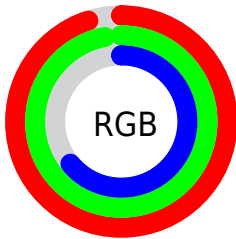
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	162, 248, 167
Decimal	15988898
CIE <sub>Lab</sub>	95.50, -14.36, 40.82
CIE <sub>LCh</sub>	95, 43.276, 109.384
Yxy	88.7981, 0.3616, 0.4167
Android (android.graphics.Color)	4294178978 (0xFFFF3F8A2)
YUV	236.7010, -36.8276, 5.5242
Hunter-Lab	94.2327, -18.9436, 36.2377

# Details

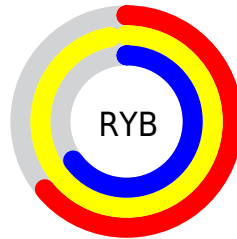
The Yxy color **88.7981, 0.3616, 0.4167** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **40.8145, 0.2531, 0.2257**, and the grayscale version is **84.7239, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.8420, 0.3345, 0.3651**, and **49.2425, 0.3709, 0.4363** is the 20% darker color. If you saturate the color by 10%, you get **87.7517, 0.3746, 0.4408**, and if you desaturate by 10%, it is **90.0284, 0.3477, 0.3913**.

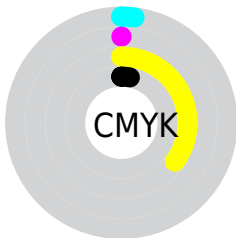
# Distribution



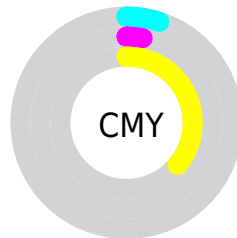
- Red (95%)
- Green (97%)
- Blue (64%)



- Red (64%)
- Yellow (97%)
- Blue (65%)



- Cyan (2%)
- Magenta (0%)
- Yellow (35%)
- Black (3%)




- Cyan (5%)
- Magenta (3%)
- Yellow (36%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 88.7981, 0.3616, 0.4167 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 88.7981, 0.3616, 0.4167 by changing the saturation by 10% instead.




 88.7981, 0.3616,  
0.4167

 88.7981, 0.3616,  
0.4167


524.1133, 0.3409,  
0.3770

 66.9842, 0.3658,  
0.4254


 145.6678, 0.3548,  
0.4032

 49.0718, 0.3707,  
0.4360


 181.4924, 0.3521,  
0.3979

 34.6764, 0.3765,  
0.4490


222.7560, 0.3496,  
0.3932

 23.4137, 0.3832,  
0.4652

269.8430, 0.3475,  
0.3892

 14.8993, 0.3909,  
0.4860

323.1379, 0.3455,  
0.3856

 8.7488, 0.3989,  
0.5130

383.0250, 0.3438,

 4.5777, 0.4137,

0.3824

0.5595

449.8886, 0.3423,  
0.3796

■ 2.0017, 0.4046,  
0.5954

■ 0.6084, 0.2723,  
0.7277

■ 88.7981, 0.3616,  
0.4167

■ 88.7981, 0.3616,  
0.4167

■ 87.7517, 0.3746,  
0.4408

■ 90.0284, 0.3477,  
0.3913

■ 86.8669, 0.3862,  
0.4627


■ 91.4400, 0.3334,  
0.3657


■ 86.1364, 0.3957,  
0.4812

■ 93.0457, 0.3192,  
0.3405


■ 85.5473, 0.4027,  
0.4958


■ 94.4502, 0.3091,  
0.3222


 85.0847, 0.4071,  
0.5059


 94.7141, 0.3100,  
0.3223

 84.7305, 0.4089,  
0.5116

 94.9799, 0.3109,  
0.3223

 84.5722, 0.4091,  
0.5134

 95.2478, 0.3118,  
0.3223

 95.5178, 0.3127,  
0.3223

 95.6145, 0.3130,  
0.3223

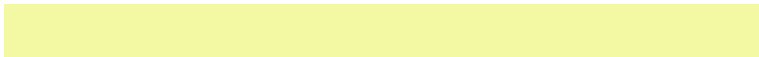
# Harmonies

## Analogous

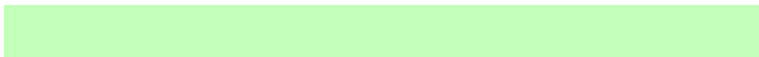
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



88.7981, 0.3974, 0.3980



88.7981, 0.3616, 0.4167



88.7981, 0.3143, 0.4089

# Triad

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



88.7981, 0.3616, 0.4167



88.7981, 0.2239, 0.2824



88.7981, 0.3547, 0.2894

# Complementary

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



88.7981, 0.3616, 0.4167



40.8145, 0.2531, 0.2257

# 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.



88.7981, 0.3050, 0.2631



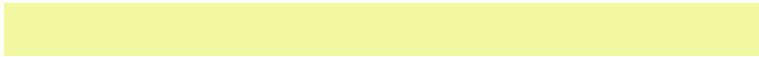
88.7981, 0.3616, 0.4167



88.7981, 0.2325, 0.2572

# Square

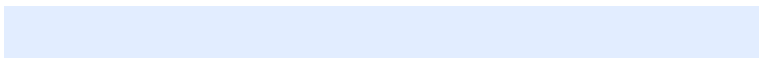
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



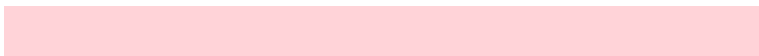
88.7981, 0.3616, 0.4167



88.7981, 0.2365, 0.3247



88.7981, 0.2610, 0.2514



88.7981, 0.3946, 0.3251

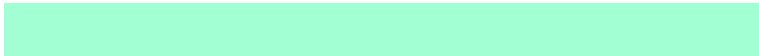


# Rectangle

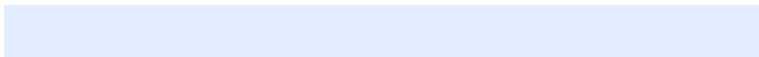
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



88.7981, 0.3616, 0.4167



88.7981, 0.2829, 0.3876



88.7981, 0.2610, 0.2514



88.7981, 0.3384, 0.2793

# Sweetspot

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



88.8021, 0.3616, 0.4167



98.1869, 0.3267, 0.3538



49.9337, 0.3940, 0.3339



20.9652, 0.3287, 0.3574



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

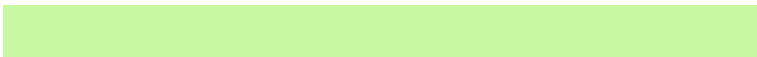
The Same Dimension uses a secret algorithm to generate beautiful new colors.



88.8021, 0.3616, 0.4167



93.7606, 0.3713, 0.4347



82.1153, 0.3323, 0.4258



20.1367, 0.3260, 0.3525



45.7078, 0.4093, 0.5132



4.2484, 0.4105, 0.5122



# Inverse Universe

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



40.8145, 0.2531, 0.2257



35.2469, 0.2379, 0.1998



46.2029, 0.2852, 0.2343



16.6908, 0.2988, 0.3045



3.7316, 0.1517, 0.0609

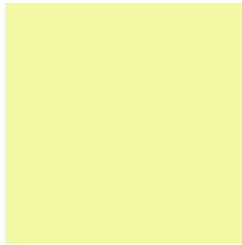


0.3619, 0.1559, 0.0633



# Previews

## White Background



This preview shows how the Yxy color 88.7981, 0.3616, 0.4167 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

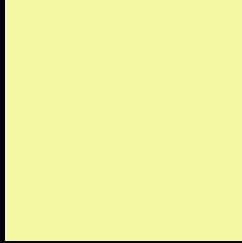
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 88.7981, 0.3616, 0.4167 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

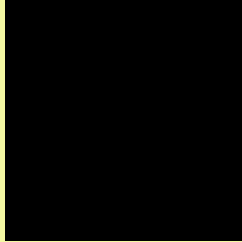
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 88.7981, 0.3616, 0.4167**

## **Background**



This preview shows how black text looks on a background with the Yxy color 88.7981, 0.3616, 0.4167.

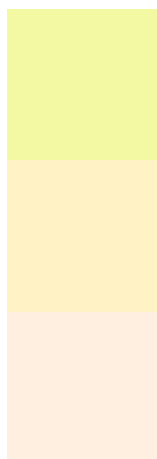


This preview shows how white text looks on a background with the Yxy color 88.7981, 0.3616, 0.4167.

# 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

88.7981, 0.3616, 0.4167

### Protanopia

88.7498, 0.3505, 0.3750

### Deuteranopia

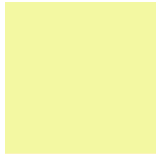
88.4292, 0.3323, 0.3429



## Tritanopia

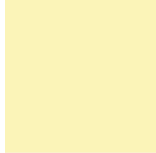
88.2817, 0.3129, 0.3107

# Trichromacy



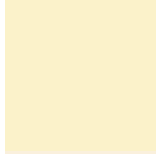
## Original Color

88.7981, 0.3616, 0.4167



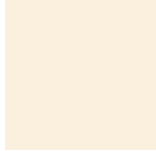
## Protanomaly

88.6713, 0.3549, 0.3895



## Deuteranomaly

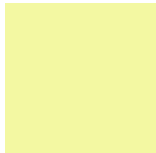
88.2778, 0.3438, 0.3693



## Tritanomaly

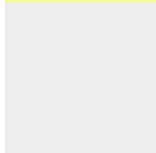
87.8646, 0.3313, 0.3480

# Monochromacy



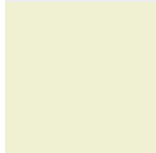
## Original Color

88.7981, 0.3616, 0.4167



## Achromatopsia

84.6873, 0.3127, 0.3290



## Achromatomaly

85.9145, 0.3306, 0.3610

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 88.7981, 0.3616, 0.4167 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(243, 248, 162)` looks like.

```
.text, #text, p{  
    color:rgb(243, 248, 162)  
}
```

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(243, 248, 162) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(243, 248, 162) }
```

## Border

The CSS property to change the border of an element to Yxy 88.7981, 0.3616, 0.4167 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(243, 248, 162) }
```

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

```
.border{ border-color:rgb(243, 248, 162) }
```

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

Here you see how a box with a 4 pixel `rgb(243, 248, 162)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(243, 248, 162); -webkit-box-shadow:4px 4px 4px 4px rgb(243, 248, 162); box-shadow:4px 4px 4px 4px rgb(243, 248, 162) }
```



# Background

The CSS property to change the background color of an element to Yxy 88.7981, 0.3616, 0.4167 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(243, 248, 162) }
```

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

```
.background{ background-color: rgb(243,  
248, 162) }
```

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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