

# Converting Colors

$Yxy(88.7679, 0.3259, 0.3762)$

Have a look what the booklet for  
Yxy(88.7679, 0.3259, 0.3762)  
contains.

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# Color

**Yxy(88.6050, 0.3259, 0.3761)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E4F9CC
RGB	228, 249, 204
RGB Percent	89%, 98%, 80%
CMY	0.1058, 0.0235, 0.1998
CMYK	0.08, 0.00, 0.18, 0.02
HSL	88°, 79%, 89%
HSV	88°, 18%, 98%
XYZ	76.7784, 88.6050, 70.2055
YIQ	237.5910, 1.9290, -18.4470

# Conversions

## Conversions Part 2

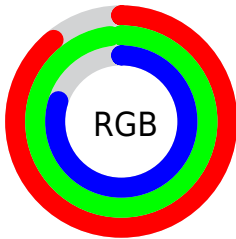
<b>Format</b>	<b>Color</b>
<b>RYB</b>	204, 249, 225
Decimal	15006156
CIELab	95.42, -14.58, 19.31
CIELCh	95, 24.196, 127.044
Yxy	88.6050, 0.3259, 0.3761
Android (android.graphics.Color)	4293196236 (0xFFE4F9CC)
YUV	237.5910, -16.5604, -8.4113
Hunter-Lab	94.1302, -19.1323, 21.6707

# Details

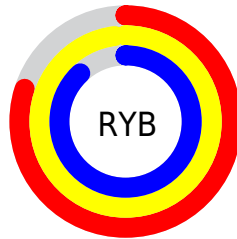
The Yxy color **88.6050, 0.3259, 0.3761** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **66.0530, 0.2975, 0.2817**, and the grayscale version is **85.3036, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **49.1126, 0.3279, 0.3872** is the 20% darker color. If you saturate the color by 10%, you get **85.6709, 0.3329, 0.4047**, and if you desaturate by 10%, it is **91.8655, 0.3186, 0.3492**.

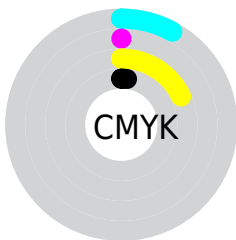
# Distribution



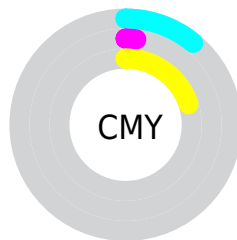
- Red (89%)
- Green (98%)
- Blue (80%)



- Red (80%)
- Yellow (98%)
- Blue (88%)



- Cyan (8%)
- Magenta (0%)
- Yellow (18%)
- Black (2%)




- Cyan (11%)
- Magenta (2%)
- Yellow (20%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 88.6050, 0.3259, 0.3761 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 88.6050, 0.3259, 0.3761 by changing the saturation by 10% instead.



 88.6050, 0.3259,  
0.3761

 88.6050, 0.3259,  
0.3761


523.4825, 0.3203,  
0.3545

 66.8242, 0.3271,  
0.3810

145.3992, 0.3241,  
0.3687

 48.9418, 0.3284,  
0.3869


181.1813, 0.3233,  
0.3658

 34.5733, 0.3301,  
0.3944


222.3994, 0.3227,  
0.3633

 23.3344, 0.3321,  
0.4041

269.4378, 0.3221,  
0.3611

 14.8406, 0.3346,  
0.4172

322.6809, 0.3216,  
0.3592

 8.7076, 0.3375,  
0.4355

382.5131, 0.3211,

 4.5510, 0.3410,

0.3574

0.4632

449.3188, 0.3207,  
0.3559

1.9863, 0.3497,  
0.5178

0.5995, 0.2630,  
0.7370

88.6050, 0.3259,  
0.3761

88.6050, 0.3259,  
0.3761

85.6709, 0.3329,  
0.4047

91.8655, 0.3186,  
0.3492

83.0401, 0.3392,  
0.4344

95.4517, 0.3113,  
0.3243

80.7041, 0.3444,  
0.4641

96.2296, 0.3130,  
0.3233

78.6495, 0.3481,  
0.4925

■ 76.8617, 0.3497,  
0.5182

■ 75.3243, 0.3490,  
0.5396

■ 74.0183, 0.3461,  
0.5558

■ 72.9189, 0.3411,  
0.5665

■ 72.7228, 0.3400,  
0.5682

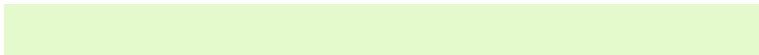
# Harmonies

## Analogous

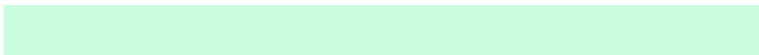
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



88.6050, 0.3504, 0.3756



88.6050, 0.3259, 0.3761



88.6050, 0.2986, 0.3623

# Triad

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



88.6050, 0.3259, 0.3761



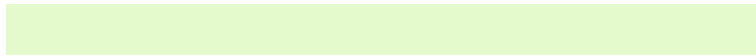
88.6050, 0.2627, 0.2934



88.6050, 0.3505, 0.3185

# Complementary

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



88.6050, 0.3259, 0.3761



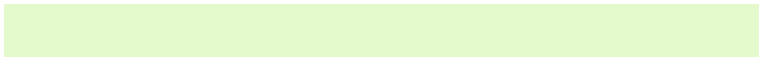
66.0530, 0.2975, 0.2817

# Split Complementary

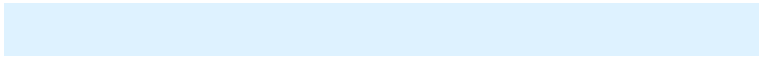
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



88.6050, 0.3254, 0.2988



88.6050, 0.3259, 0.3761



88.6050, 0.2752, 0.2842

# Square

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



88.6050, 0.3259, 0.3761



88.6050, 0.2629, 0.3129



88.6050, 0.2978, 0.2864

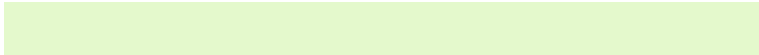


88.6050, 0.3652, 0.3414

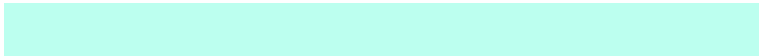


# Rectangle

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



88.6050, 0.3259, 0.3761



88.6050, 0.2825, 0.3470



88.6050, 0.2978, 0.2864



88.6050, 0.3429, 0.3114

# Sweetspot

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



88.6089, 0.3259, 0.3761



98.0951, 0.3164, 0.3414



77.9572, 0.3442, 0.3499



20.9406, 0.3169, 0.3432



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

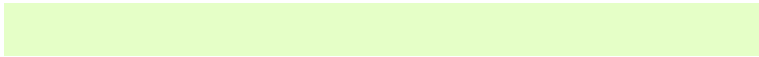


# Same Dimension

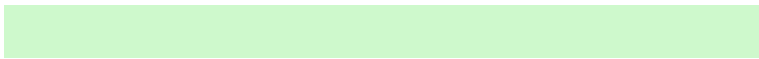
The Same Dimension uses a secret algorithm to generate beautiful new colors.



88.6089, 0.3259, 0.3761



92.2687, 0.3287, 0.3873



85.2739, 0.3118, 0.3782



19.7651, 0.3197, 0.3529



39.0139, 0.3412, 0.5673



3.6765, 0.3499, 0.5604



# Inverse Universe

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



66.0530, 0.2975, 0.2817



64.0399, 0.2935, 0.2704



69.7720, 0.3132, 0.2839



17.0399, 0.3052, 0.3050



5.7373, 0.1958, 0.0852

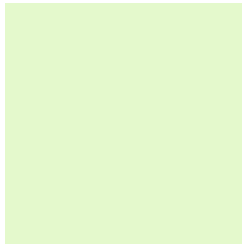


0.5938, 0.2089, 0.0925



# Previews

## White Background



This preview shows how the Yxy color 88.6050, 0.3259, 0.3761 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

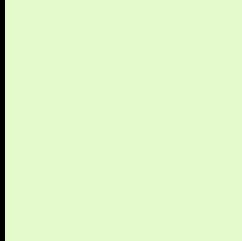
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 88.6050, 0.3259, 0.3761 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

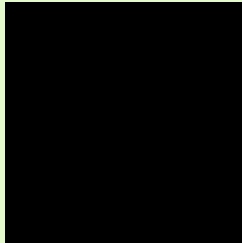
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

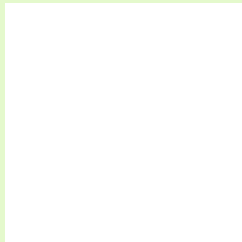
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 88.6050, 0.3259, 0.3761**

## **Background**



This preview shows how black text looks on a background with the Yxy color 88.6050, 0.3259, 0.3761.

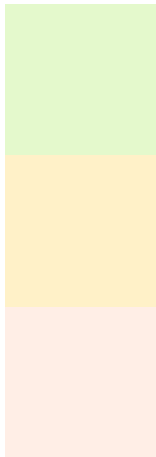


This preview shows how white text looks on a background with the Yxy color 88.6050, 0.3259, 0.3761.

# 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

88.6050, 0.3259, 0.3761

### Protanopia

88.3407, 0.3481, 0.3700

### Deuteranopia

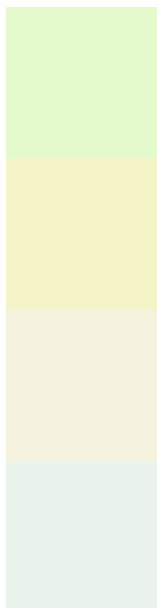
88.1222, 0.3292, 0.3369



## Tritanopia

88.3077, 0.3025, 0.3151

# Trichromacy



## Original Color

88.6050, 0.3259, 0.3761

## Protanomaly

88.3309, 0.3400, 0.3728

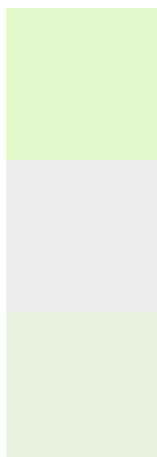
## Deuteranomaly

88.1372, 0.3276, 0.3502

## Tritanomaly

88.2499, 0.3110, 0.3371

# Monochromacy



## Original Color

88.6050, 0.3259, 0.3761

## Achromatopsia

85.4993, 0.3127, 0.3290

## Achromatomaly

86.4877, 0.3172, 0.3455

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 88.6050, 0.3259, 0.3761 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(228, 249, 204)` looks like.

```
.text, #text, p{  
    color:rgb(228, 249, 204)  
}
```

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(228, 249, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 249, 204) }
```

## Border

The CSS property to change the border of an element to Yxy 88.6050, 0.3259, 0.3761 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(228, 249, 204) }
```

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

```
.border{ border-color:rgb(228, 249, 204) }
```

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

Here you see how a box with a 4 pixel rgb(228, 249, 204) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 249, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 249, 204);  
box-shadow:4px 4px 4px 4px rgb(228, 249,  
204) }
```



# Background

The CSS property to change the background color of an element to Yxy 88.6050, 0.3259, 0.3761 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 249, 204) }
```

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

```
.background{ background-color: rgb(228,  
249, 204) }
```

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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