

# Converting Colors

$Yxy(88.8099, 0.3182, 0.3567)$

Have a look what the booklet for  
Yxy(88.8099, 0.3182, 0.3567)  
contains.

<b>Yxy(88.6778, 0.3185, 0.3569)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# Color

**Yxy(88.6778, 0.3185, 0.3569)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E7F7DC
RGB	231, 247, 220
RGB Percent	91%, 97%, 86%
CMY	0.0941, 0.0314, 0.1373
CMYK	0.06, 0.00, 0.11, 0.03
HSL	96°, 63%, 92%
HSV	96°, 11%, 97%
XYZ	79.1367, 88.6778, 80.6523
YIQ	239.1380, -0.8690, -11.7890

# Conversions

## Conversions Part 2

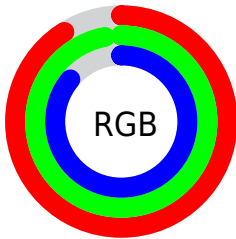
Format	Color
R <sub>Y</sub> B	220, 247, 236
Decimal	15202268
CIE Lab	95.45, -9.99, 11.19
CIE LCh	95, 14.997, 131.757
Yxy	88.6778, 0.3185, 0.3569
Android (android.graphics.Color)	4293392348 (0xFFE7F7DC)
YUV	239.1380, -9.4350, -7.1370
Hunter-Lab	94.1689, -14.7896, 15.1384

# Details

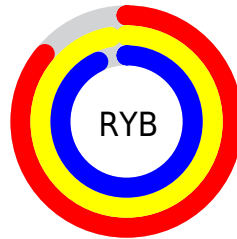
The Yxy color **88.6778, 0.3185, 0.3569** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **75.7307, 0.3063, 0.3014**, and the grayscale version is **86.5087, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **49.0922, 0.3193, 0.3637** is the 20% darker color. If you saturate the color by 10%, you get **85.1353, 0.3236, 0.3849**, and if you desaturate by 10%, it is **92.6246, 0.3132, 0.3313**.

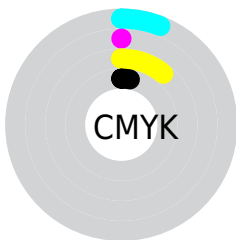
# Distribution



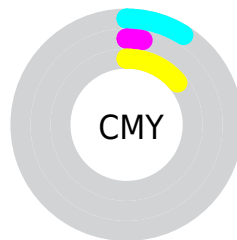
- Red (91%)
- Green (97%)
- Blue (86%)



- Red (86%)
- Yellow (97%)
- Blue (93%)



- Cyan (6%)
- Magenta (0%)
- Yellow (11%)
- Black (3%)



- Cyan (9%)
- Magenta (3%)
- Yellow (14%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 88.6778, 0.3185, 0.3569 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 88.6778, 0.3185, 0.3569 by changing the saturation by 10% instead.



 88.6778, 0.3185,  
0.3569

 88.6778, 0.3185,  
0.3569


523.7203, 0.3160,  
0.3442

 66.8845, 0.3190,  
0.3597

145.5004, 0.3177,  
0.3525

 48.9908, 0.3196,  
0.3632

181.2986, 0.3173,  
0.3508

 34.6122, 0.3204,  
0.3676


222.5339, 0.3171,  
0.3494

 23.3643, 0.3213,  
0.3732

269.5906, 0.3168,  
0.3481

 14.8627, 0.3225,  
0.3808

322.8532, 0.3166,  
0.3469

 8.7231, 0.3241,  
0.3915

382.7061, 0.3164,

 4.5610, 0.3260,

0.3459

0.4076

449.5337, 0.3162,  
0.3450

■ 1.9921, 0.3285,  
0.4348

■ 0.6029, 0.3532,  
0.6468

■ 88.6778, 0.3185,  
0.3569

■ 88.6778, 0.3185,  
0.3569

■ 85.1353, 0.3236,  
0.3849

■ 92.6246, 0.3132,  
0.3313

■ 81.9722, 0.3283,  
0.4149

■ 95.0032, 0.3131,  
0.3214

■ 79.1782, 0.3323,  
0.4461

■ 76.7382, 0.3351,  
0.4775

■ 74.6356, 0.3364,  
0.5074

■ 72.8525, 0.3358,  
0.5341

■ 71.3690, 0.3332,  
0.5560

■ 70.1619, 0.3289,  
0.5718

■ 69.2765, 0.3238,  
0.5811

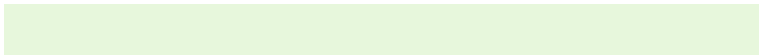
# Harmonies

## Analogous

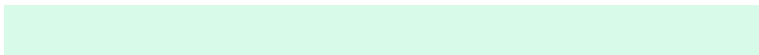
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



88.6778, 0.3342, 0.3584



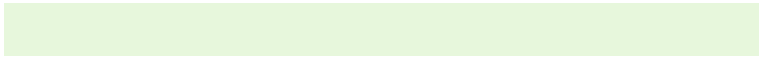
88.6778, 0.3185, 0.3569



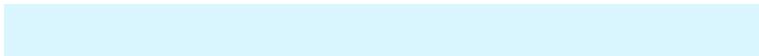
88.6778, 0.3016, 0.3473

# Triad

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



88.6778, 0.3185, 0.3569



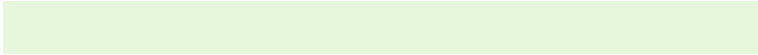
88.6778, 0.2820, 0.3056



88.6778, 0.3380, 0.3249

# Complementary

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



88.6778, 0.3185, 0.3569



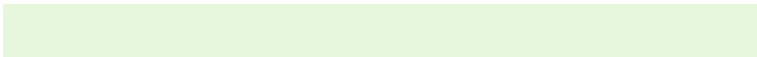
75.7307, 0.3063, 0.3014

# Split Complementary

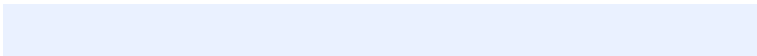
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



88.6778, 0.3234, 0.3117



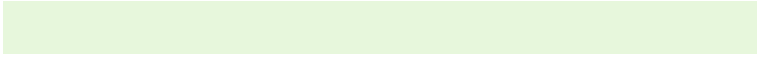
88.6778, 0.3185, 0.3569



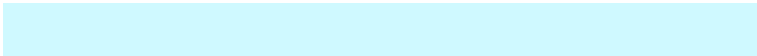
88.6778, 0.2912, 0.3006

# Square

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



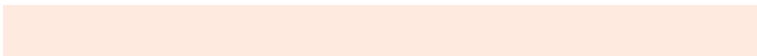
88.6778, 0.3185, 0.3569



88.6778, 0.2809, 0.3171



88.6778, 0.3062, 0.3029

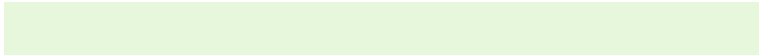


88.6778, 0.3457, 0.3394

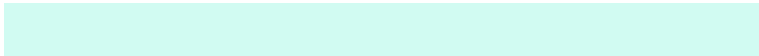


# Rectangle

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



88.6778, 0.3185, 0.3569



88.6778, 0.2919, 0.3377



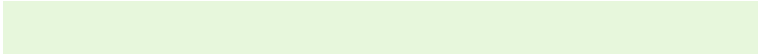
88.6778, 0.3062, 0.3029



88.6778, 0.3337, 0.3202

# Sweetspot

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



88.6816, 0.3185, 0.3569



98.6681, 0.3143, 0.3364



84.7890, 0.3304, 0.3450



21.0443, 0.3147, 0.3384



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

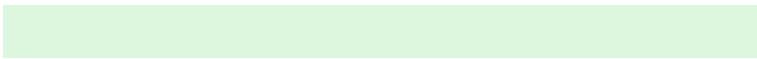
The Same Dimension uses a secret algorithm to generate beautiful new colors.



88.6816, 0.3185, 0.3569



94.5118, 0.3196, 0.3626



87.0255, 0.3101, 0.3551



18.8020, 0.3177, 0.3530



36.7152, 0.3250, 0.5802



3.2854, 0.3347, 0.5724



# Inverse Universe

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



75.7307, 0.3063, 0.3014



78.1675, 0.3050, 0.2959



77.5369, 0.3155, 0.3042



16.4116, 0.3073, 0.3052



6.8798, 0.2214, 0.0993

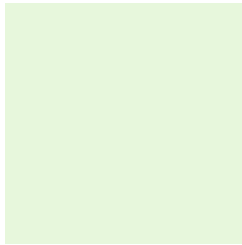


0.6646, 0.2335, 0.1060



# Previews

## White Background



This preview shows how the Yxy color 88.6778, 0.3185, 0.3569 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

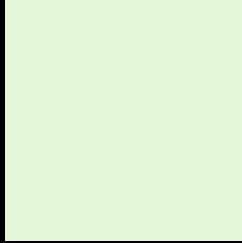
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 88.6778, 0.3185, 0.3569 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

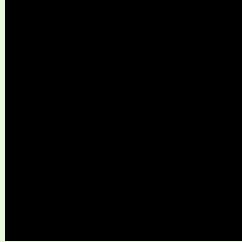
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

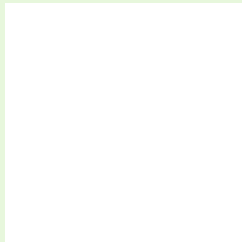
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 88.6778, 0.3185, 0.3569**

## **Background**



This preview shows how black text looks on a background with the Yxy color 88.6778, 0.3185, 0.3569.

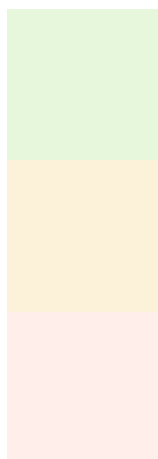


This preview shows how white text looks on a background with the Yxy color 88.6778, 0.3185, 0.3569.

# 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

88.6778, 0.3185, 0.3569

### Protanopia

88.6158, 0.3351, 0.3530

### Deuteranopia

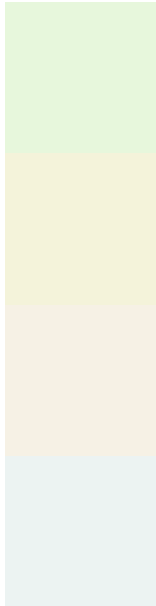
88.3496, 0.3266, 0.3330



## Tritanopia

88.4813, 0.3031, 0.3151

# Trichromacy



## Original Color

88.6778, 0.3185, 0.3569

## Protanomaly

88.3962, 0.3287, 0.3543

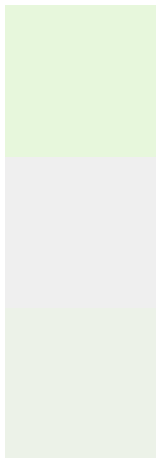
## Deuteranomaly

88.1606, 0.3234, 0.3410

## Tritanomaly

88.3449, 0.3088, 0.3300

# Monochromacy



## Original Color

88.6778, 0.3185, 0.3569

## Achromatopsia

86.3157, 0.3127, 0.3290

## Achromatomaly

87.1633, 0.3149, 0.3392

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 88.6778, 0.3185, 0.3569 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(231, 247, 220)` looks like.

```
.text, #text, p{  
    color:rgb(231, 247, 220)  
}
```

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(231, 247, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 247, 220) }
```

## Border

The CSS property to change the border of an element to Yxy 88.6778, 0.3185, 0.3569 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(231, 247, 220) }
```

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

```
.border{ border-color:rgb(231, 247, 220) }
```

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

Here you see how a box with a 4 pixel `rgb(231, 247, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(231, 247, 220); -webkit-box-shadow:4px 4px 4px 4px rgb(231, 247, 220); box-shadow:4px 4px 4px 4px rgb(231, 247, 220) }
```



# Background

The CSS property to change the background color of an element to Yxy 88.6778, 0.3185, 0.3569 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 247, 220) }
```

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

```
.background{ background-color: rgb(231,  
247, 220) }
```

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