

# Converting Colors

$Yxy(87.8120, 0.3358, 0.4283)$

Have a look what the booklet for  
Yxy(87.8120, 0.3358, 0.4283)  
contains.

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# Color

**Yxy(87.7556, 0.3355, 0.4282)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D1FFA4
RGB	209, 255, 164
RGB Percent	82%, 100%, 64%
CMY	0.1803, 0.0000, 0.3569
CMYK	0.18, 0.00, 0.36, 0.00
HSL	90°, 100%, 82%
HSV	90°, 36%, 100%
XYZ	68.7576, 87.7556, 48.4275
YIQ	230.8720, 1.7950, -38.0530

# Conversions

## Conversions Part 2

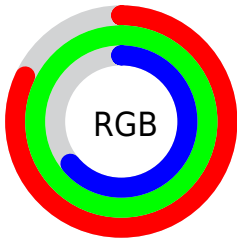
Format	Color
<a href="#">RYB</a>	<a href="#">164, 255, 210</a>
Decimal	<a href="#">13762468</a>
CIELab	<a href="#">95.06, -29.85, 38.81</a>
CIELCh	<a href="#">95, 48.966, 127.564</a>
Yxy	<a href="#">87.7556, 0.3355, 0.4282</a>
Android (android.graphics.Color)	<a href="#">4291952548 (0xFFD1FFA4)</a>
YUV	<a href="#">230.8720, -32.9679, -19.1817</a>
Hunter-Lab	<a href="#">93.6780, -32.9213, 34.9242</a>

# Details

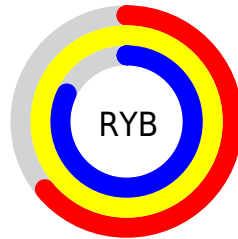
The Yxy color **87.7556, 0.3355, 0.4282** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **47.4616, 0.2809, 0.2303**, and the grayscale version is **80.0619, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.9473, 0.3333, 0.3631**, and **48.3082, 0.3384, 0.4516** is the 20% darker color. If you saturate the color by 10%, you get **85.1229, 0.3404, 0.4586**, and if you desaturate by 10%, it is **90.7291, 0.3296, 0.3983**.

# Distribution



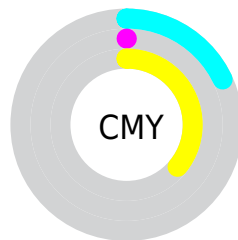
- Red (82%)
- Green (100%)
- Blue (64%)



- Red (64%)
- Yellow (100%)
- Blue (82%)



- Cyan (18%)
- Magenta (0%)
- Yellow (36%)
- Black (0%)




- Cyan (18%)
- Magenta (0%)
- Yellow (36%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 87.7556, 0.3355, 0.4282 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 87.7556, 0.3355, 0.4282 by changing the saturation by 10% instead.




 87.7556, 0.3355,  
0.4282


 87.7556, 0.3355,  
0.4282


520.7025, 0.3268,  
0.3820

 66.1207, 0.3370,  
0.4387


 144.2169, 0.3329,  
0.4122

 48.3704, 0.3386,  
0.4516


 179.8120, 0.3317,  
0.4059

 34.1203, 0.3402,  
0.4679

220.8293, 0.3307,  
0.4005

 22.9860, 0.3415,  
0.4888

267.6532, 0.3298,  
0.3959

 14.5832, 0.3421,  
0.5165

320.6681, 0.3289,  
0.3917

 8.5274, 0.3402,  
0.5543


380.2583, 0.3282,


 4.4342, 0.3381,

0.3881

0.6191


446.8084, 0.3274,  
0.3849


 1.9193, 0.3084,  
0.6916


 0.5599, 0.0000,  
1.0000


 87.7556, 0.3355,  
0.4282


 87.7556, 0.3355,  
0.4282


 85.1229, 0.3404,  
0.4586


 90.7291, 0.3296,  
0.3983

 82.8102, 0.3438,  
0.4881

 94.0508, 0.3232,  
0.3697

 80.8034, 0.3453,  
0.5152

 97.7355, 0.3165,  
0.3432

 79.0848, 0.3447,  
0.5385

100.0000, 0.3127,  
0.3290

■ 77.6342, 0.3419,  
0.5565

■ 76.4272, 0.3370,  
0.5687

■ 75.9688, 0.3346,  
0.5726

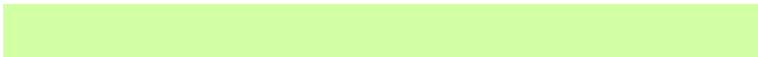
# Harmonies

## Analogous

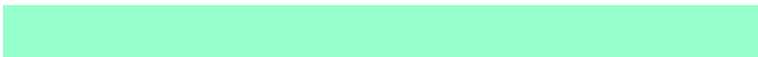
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



87.7556, 0.3858, 0.4227



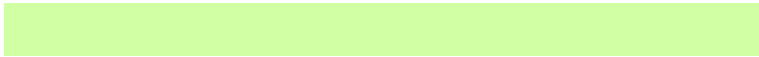
87.7556, 0.3355, 0.4282



87.7556, 0.2816, 0.3991

# Triad

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



87.7556, 0.3355, 0.4282



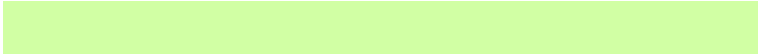
87.7556, 0.2162, 0.2563



87.7556, 0.3904, 0.3075

# Complementary

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



87.7556, 0.3355, 0.4282



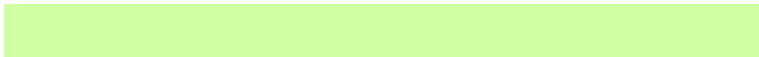
47.4616, 0.2809, 0.2303

# Split Complementary

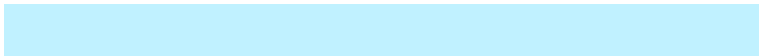
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



87.7556, 0.3381, 0.2713



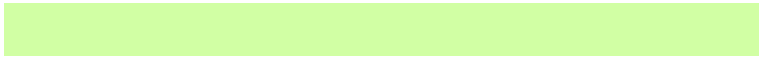
87.7556, 0.3355, 0.4282



87.7556, 0.2393, 0.2419

# Square

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



87.7556, 0.3355, 0.4282



87.7556, 0.2157, 0.2925



87.7556, 0.2825, 0.2479

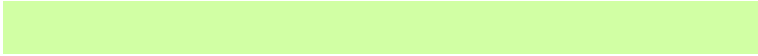


87.7556, 0.4205, 0.3502



# Rectangle

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



87.7556, 0.3355, 0.4282



87.7556, 0.2509, 0.3648



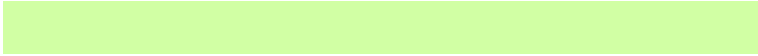
87.7556, 0.2825, 0.2479



87.7556, 0.3746, 0.2943

# Sweetspot

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



87.7577, 0.3355, 0.4282



95.7340, 0.3201, 0.3570



69.7823, 0.3820, 0.3762



20.3851, 0.3210, 0.3606



0.0000, 0.0000, 0.0000

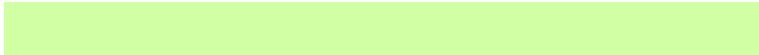


21.4041, 0.3127, 0.3290

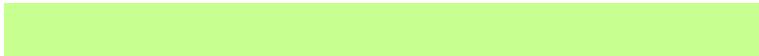


# Same Dimension

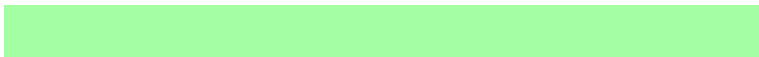
The Same Dimension uses a secret algorithm to generate beautiful new colors.



87.7577, 0.3355, 0.4282



85.8001, 0.3392, 0.4504



82.0905, 0.3076, 0.4372



20.6095, 0.3191, 0.3530



39.7838, 0.3357, 0.5716



3.9385, 0.3443, 0.5648



# Inverse Universe

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



47.4616, 0.2809, 0.2303



39.9602, 0.2724, 0.2084



55.0250, 0.3169, 0.2403



17.8287, 0.3058, 0.3050



6.2932, 0.2031, 0.0893

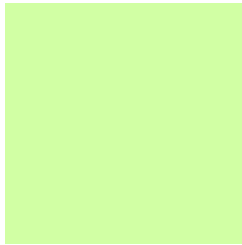


0.6777, 0.2153, 0.0960



# Previews

## White Background



This preview shows how the Yxy color 87.7556, 0.3355, 0.4282 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 87.7556, 0.3355, 0.4282 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

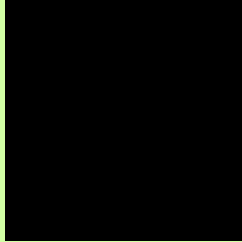
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

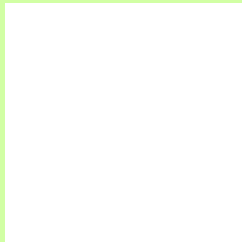
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 87.7556, 0.3355, 0.4282**

## **Background**



This preview shows how black text looks on a background with the Yxy color 87.7556, 0.3355, 0.4282.

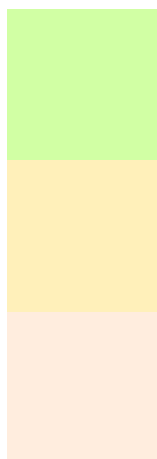


This preview shows how white text looks on a background with the Yxy color 87.7556, 0.3355, 0.4282.

# 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

87.7556, 0.3355, 0.4282

### Protanopia

87.1253, 0.3574, 0.3832

### Deuteranopia

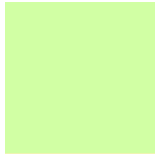
87.1023, 0.3345, 0.3439



## Tritanopia

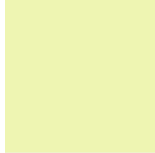
87.3823, 0.2968, 0.3159

# Trichromacy



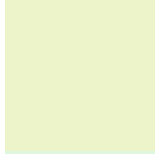
## Original Color

87.7556, 0.3355, 0.4282



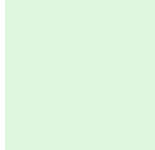
## Protanomaly

86.6963, 0.3492, 0.3986



## Deuteranomaly

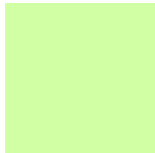
87.0956, 0.3351, 0.3735



## Tritanomaly

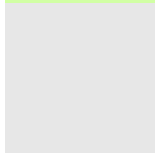
87.3251, 0.3115, 0.3552

# Monochromacy



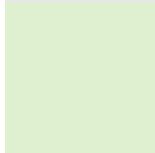
## Original Color

87.7556, 0.3355, 0.4282



## Achromatopsia

79.9103, 0.3127, 0.3290



## Achromatomaly

82.5131, 0.3217, 0.3643

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 87.7556, 0.3355, 0.4282 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(209, 255, 164)` looks like.

```
.text, #text, p{  
    color:rgb(209, 255, 164)  
}
```

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(209, 255, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 255, 164) }
```

## Border

The CSS property to change the border of an element to Yxy 87.7556, 0.3355, 0.4282 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(209, 255, 164) }
```

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

```
.border{ border-color:rgb(209, 255, 164) }
```

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

Here you see how a box with a 4 pixel rgb(209, 255, 164) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 255, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 255, 164);  
box-shadow:4px 4px 4px 4px rgb(209, 255,  
164) }
```



# Background

The CSS property to change the background color of an element to Yxy 87.7556, 0.3355, 0.4282 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 255, 164) }
```

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

```
.background{ background-color: rgb(209,  
255, 164) }
```

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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