

# Converting Colors

$Yxy(94.6791, 0.3242, 0.4174)$

Have a look what the booklet for  
Yxy(94.6791, 0.3242, 0.4174)  
contains.

<b>Yxy(88.4527, 0.3255, 0.4084)</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(88.4527, 0.3255, 0.4084)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D1FFB6
RGB	209, 255, 182
RGB Percent	82%, 100%, 71%
CMY	0.1804, 0.0000, 0.2861
CMYK	0.18, 0.00, 0.29, 0.00
HSL	98°, 100%, 86%
HSV	98°, 29%, 100%
XYZ	70.4979, 88.4527, 57.6329
YIQ	232.9240, -3.9830, -32.4550

# Conversions

## Conversions Part 2

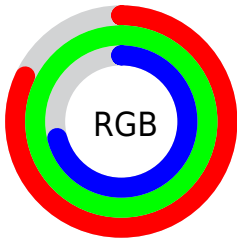
<b>Format</b>	<b>Color</b>
<b>RYB</b>	182, 255, 228
Decimal	13762486
CIELab	95.35, -27.36, 30.20
CIElCh	95, 40.752, 132.174
Yxy	88.4527, 0.3255, 0.4084
Android (android.graphics.Color)	4291952566 (0xFFD1FFB6)
YUV	232.9240, -25.1055, -20.9813
Hunter-Lab	94.0493, -30.7854, 29.5019

# Details

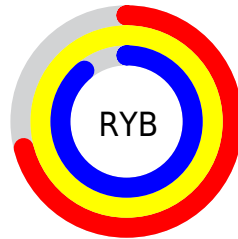
The Yxy color **88.4527, 0.3255, 0.4084** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **57.1941, 0.2954, 0.2529**, and the grayscale version is **81.6194, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.9530, 0.3226, 0.3454**, and **48.8432, 0.3272, 0.4264** is the 20% darker color. If you saturate the color by 10%, you get **85.2635, 0.3290, 0.4399**, and if you desaturate by 10%, it is **92.0699, 0.3213, 0.3785**.

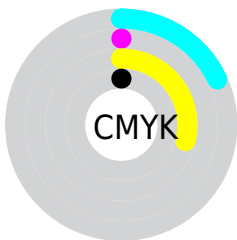
# Distribution



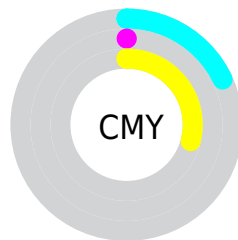
- Red (82%)
- Green (100%)
- Blue (71%)



- Red (71%)
- Yellow (100%)
- Blue (89%)



- Cyan (18%)
- Magenta (0%)
- Yellow (29%)
- Black (0%)



- Cyan (18%)
- Magenta (0%)
- Yellow (29%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 88.4527, 0.3255, 0.4084 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 88.4527, 0.3255, 0.4084 by changing the saturation by 10% instead.





 88.4527, 0.3255,  
0.4084

 88.4527, 0.3255,  
0.4084


522.9846, 0.3207,  
0.3715

 66.6980, 0.3263,  
0.4168


 145.1872, 0.3241,  
0.3956

 48.8393, 0.3272,  
0.4272


180.9359, 0.3234,  
0.3906

 34.4920, 0.3280,  
0.4403


222.1181, 0.3229,  
0.3863

 23.2718, 0.3287,  
0.4574

269.1181, 0.3224,  
0.3826

 14.7943, 0.3290,  
0.4803

322.3203, 0.3219,  
0.3793

 8.6752, 0.3279,  
0.5125

382.1093, 0.3215,

 4.5299, 0.3230,

0.3764

0.5602

448.8692, 0.3211,  
0.3738

1.9742, 0.3253,  
0.6747

0.5924, 0.0000,  
1.0000

88.4527, 0.3255,  
0.4084

88.4527, 0.3255,  
0.4084

85.2635, 0.3290,  
0.4399

92.0699, 0.3213,  
0.3785

82.4861, 0.3315,  
0.4719

96.1325, 0.3168,  
0.3508

80.1012, 0.3327,  
0.5029

100.0000, 0.3127,  
0.3290

78.0886, 0.3321,  
0.5312

■ 76.4256, 0.3297,  
0.5547

■ 75.0863, 0.3256,  
0.5722

■ 74.0371, 0.3202,  
0.5833

■ 73.9094, 0.3195,  
0.5845

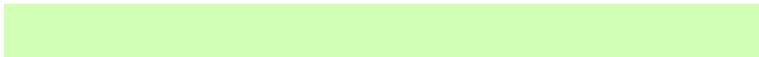
# Harmonies

## Analogous

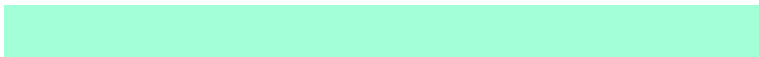
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



88.4527, 0.3686, 0.4095



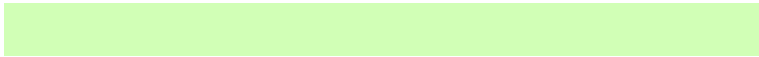
88.4527, 0.3255, 0.4084



88.4527, 0.2808, 0.3805

# Triad

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



88.4527, 0.3255, 0.4084



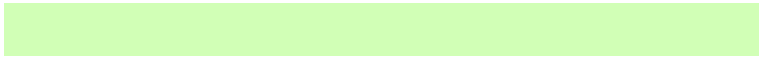
88.4527, 0.2330, 0.2653



88.4527, 0.3825, 0.3168

# Complementary

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



88.4527, 0.3255, 0.4084



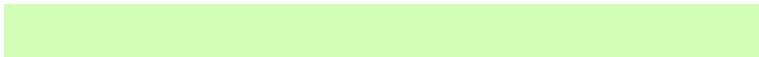
57.1941, 0.2954, 0.2529

# Split Complementary

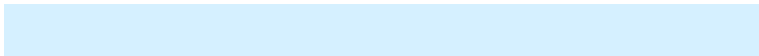
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



88.4527, 0.3414, 0.2845



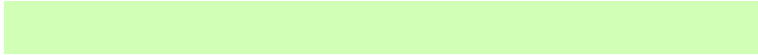
88.4527, 0.3255, 0.4084



88.4527, 0.2558, 0.2551

# Square

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



88.4527, 0.3255, 0.4084



88.4527, 0.2296, 0.2936



88.4527, 0.2946, 0.2625

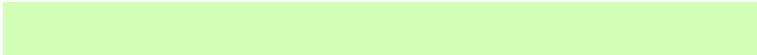


88.4527, 0.4036, 0.3536

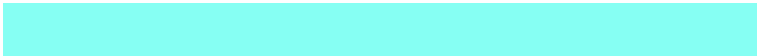


# Rectangle

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



88.4527, 0.3255, 0.4084



88.4527, 0.2562, 0.3516



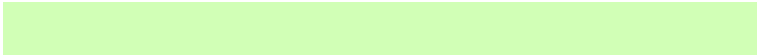
88.4527, 0.2946, 0.2625



88.4527, 0.3704, 0.3052

# Sweetspot

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



88.4523, 0.3255, 0.4084



95.9666, 0.3169, 0.3518



79.5943, 0.3634, 0.3749



20.4088, 0.3176, 0.3557



0.0000, 0.0000, 0.0000

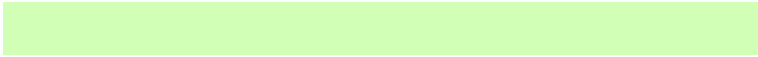


21.4041, 0.3127, 0.3290

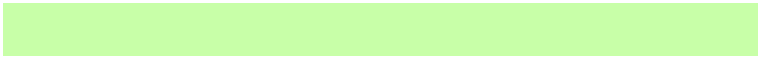


# Same Dimension

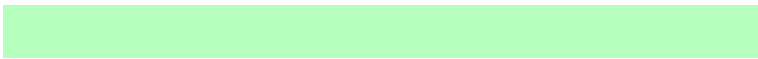
The Same Dimension uses a secret algorithm to generate beautiful new colors.



88.4523, 0.3255, 0.4084



86.6821, 0.3275, 0.4252



85.2116, 0.3043, 0.4025



20.4948, 0.3172, 0.3532



38.6967, 0.3206, 0.5836



3.8273, 0.3293, 0.5767



# Inverse Universe

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



57.1941, 0.2954, 0.2529



51.0206, 0.2912, 0.2376



61.4154, 0.3225, 0.2652



17.9454, 0.3078, 0.3051



7.8096, 0.2298, 0.1040

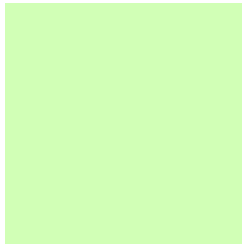


0.8225, 0.2401, 0.1097



# Previews

## White Background



This preview shows how the Yxy color 88.4527, 0.3255, 0.4084 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

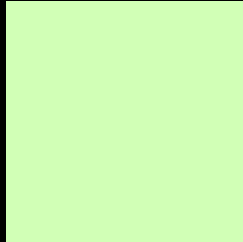
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 88.4527, 0.3255, 0.4084 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

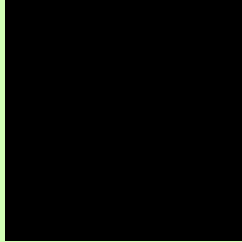
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

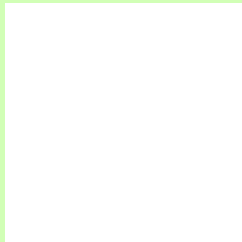
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 88.4527, 0.3255, 0.4084**

## **Background**



This preview shows how black text looks on a background with the Yxy color 88.4527, 0.3255, 0.4084.

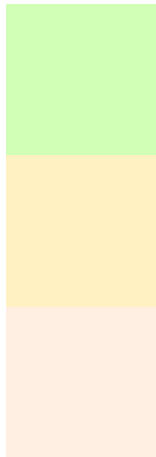


This preview shows how white text looks on a background with the Yxy color 88.4527, 0.3255, 0.4084.

# 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

88.4527, 0.3255, 0.4084

### Protanopia

88.0208, 0.3526, 0.3771

### Deuteranopia

87.9001, 0.3317, 0.3409



## Tritanopia

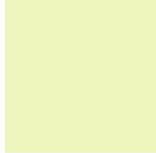
88.1442, 0.2975, 0.3169

# Trichromacy



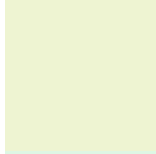
## Original Color

88.4527, 0.3255, 0.4084



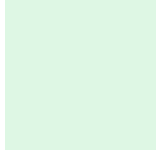
## Protanomaly

87.7628, 0.3422, 0.3880



## Deuteranomaly

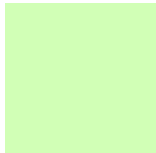
87.5317, 0.3295, 0.3640



## Tritanomaly

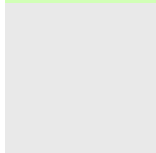
87.6526, 0.3080, 0.3488

# Monochromacy



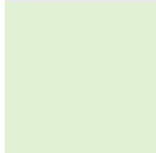
## Original Color

88.4527, 0.3255, 0.4084



## Achromatopsia

81.4847, 0.3127, 0.3290



## Achromatomaly

83.6129, 0.3180, 0.3576

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 88.4527, 0.3255, 0.4084 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, 182)` looks like.

```
.text, #text, p{  
    color:rgb(209, 255, 182)  
}
```

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, 182) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 255, 182) }
```

## Border

The CSS property to change the border of an element to Yxy 88.4527, 0.3255, 0.4084 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, 182) }
```

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

```
.border{ border-color:rgb(209, 255, 182) }
```

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, 182)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 255, 182); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 255, 182);  
box-shadow:4px 4px 4px 4px rgb(209, 255,  
182) }
```



# Background

The CSS property to change the background color of an element to Yxy 88.4527, 0.3255, 0.4084 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, 182) }
```

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

```
.background{ background-color: rgb(209,  
255, 182) }
```

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