

# Converting Colors

Yxy(81.3563, 0.3212, 0.4678)

Have a look what the booklet for  
Yxy(81.3563, 0.3212, 0.4678)  
contains.

<b>Yxy(81.3543, 0.3210, 0.4675)</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(81.3543, 0.3210, 0.4675)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A5FF8A
RGB	165, 255, 138
RGB Percent	65%, 100%, 54%
CMY	0.3530, 0.0000, 0.4588
CMYK	0.35, 0.00, 0.46, 0.00
HSL	106°, 100%, 77%
HSV	106°, 46%, 100%
XYZ	55.8604, 81.3543, 36.8052
YIQ	214.7520, -16.0830, -55.4670

# Conversions

## Conversions Part 2

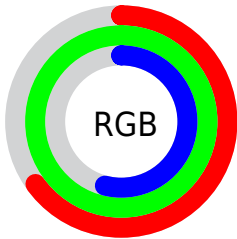
Format	Color
<a href="#">RYB</a>	<a href="#">138, 255, 228</a>
Decimal	<a href="#">10878858</a>
CIELab	<a href="#">92.29, -47.95, 47.39</a>
CIELCh	<a href="#">92, 67.410, 135.337</a>
Yxy	<a href="#">81.3543, 0.3210, 0.4675</a>
Android (android.graphics.Color)	<a href="#">4289068938 (0xFFA5FF8A)</a>
YUV	<a href="#">214.7520, -37.8387, -43.6325</a>
Hunter-Lab	<a href="#">90.1966, -47.2958, 38.9440</a>

# Details

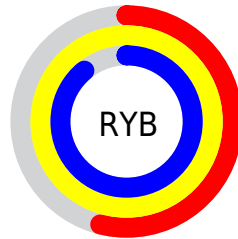
The Yxy color **81.3543, 0.3210, 0.4675** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **41.8989, 0.2948, 0.2088**, and the grayscale version is **68.0415, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.0582, 0.3283, 0.3943**, and **44.2322, 0.3187, 0.5032** is the 20% darker color. If you saturate the color by 10%, you get **78.7527, 0.3209, 0.5009**, and if you desaturate by 10%, it is **84.4466, 0.3202, 0.4338**.

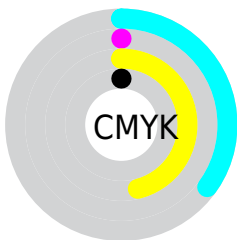
# Distribution



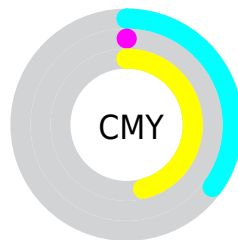
- Red (65%)
- Green (100%)
- Blue (54%)



- Red (54%)
- Yellow (100%)
- Blue (89%)



- Cyan (35%)
- Magenta (0%)
- Yellow (46%)
- Black (0%)




- Cyan (35%)
- Magenta (0%)
- Yellow (46%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 81.3543, 0.3210, 0.4675 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 81.3543, 0.3210, 0.4675 by changing the saturation by 10% instead.




 81.3543, 0.3210,  
0.4675

 81.3543, 0.3210,  
0.4675


499.4853, 0.3203,  
0.4008

 60.8334, 0.3203,  
0.4831


 135.2681, 0.3215,  
0.4440

 44.0908, 0.3188,  
0.5024


 169.4299, 0.3214,  
0.4349

 30.7419, 0.3163,  
0.5269


 208.9074, 0.3213,  
0.4272

 20.4024, 0.3115,  
0.5587

254.0851, 0.3212,  
0.4205

 12.6879, 0.3026,  
0.6009

305.3473, 0.3210,  
0.4146

 7.2140, 0.2863,  
0.6607


363.0785, 0.3208,


 3.5963, 0.2534,

0.4094


0.7466


427.6630, 0.3206,  
0.4049


 1.4504, 0.0780,  
0.9220


 0.2534, 0.0000,  
1.0000

 81.3543, 0.3210,  
0.4675


 81.3543, 0.3210,  
0.4675


 78.7527, 0.3209,  
0.5009


 84.4466, 0.3202,  
0.4338


 76.6231, 0.3196,  
0.5319

 88.0626, 0.3186,  
0.4013

 74.9330, 0.3172,  
0.5583

 92.2228, 0.3165,  
0.3711

 73.6488, 0.3137,  
0.5781

 96.9489, 0.3142,  
0.3437

■ 72.7313, 0.3095,  
0.5904

100.0000, 0.3127,  
0.3290

■ 72.4429, 0.3078,  
0.5938

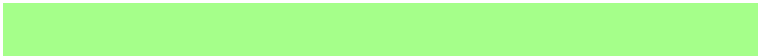
# Harmonies

## Analogous

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



81.3543, 0.3938, 0.4657



81.3543, 0.3210, 0.4675



81.3543, 0.2499, 0.4129

# Triad

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



81.3543, 0.3210, 0.4675



81.3543, 0.1879, 0.2210



81.3543, 0.4377, 0.3114

# Complementary

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



81.3543, 0.3210, 0.4675



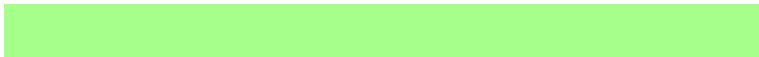
41.8989, 0.2948, 0.2088

# Split Complementary

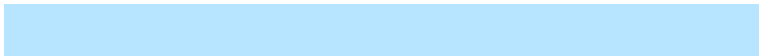
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



81.3543, 0.3681, 0.2616



81.3543, 0.3210, 0.4675



81.3543, 0.2248, 0.2113

# Square

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



81.3543, 0.3210, 0.4675



81.3543, 0.1790, 0.2597



81.3543, 0.2883, 0.2262



81.3543, 0.4675, 0.3680



# Rectangle

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



81.3543, 0.3210, 0.4675



81.3543, 0.2132, 0.3573



81.3543, 0.2883, 0.2262



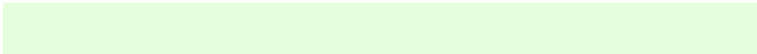
81.3543, 0.4177, 0.2937

# Sweetspot

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



81.3516, 0.3210, 0.4675



93.0672, 0.3161, 0.3658



78.4180, 0.3925, 0.4189



19.7131, 0.3166, 0.3719



0.0000, 0.0000, 0.0000

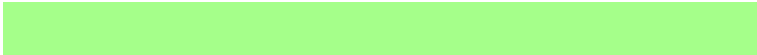


21.4041, 0.3127, 0.3290



# Same Dimension

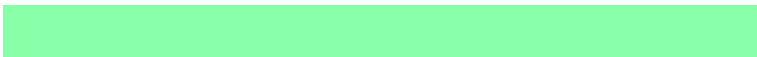
The Same Dimension uses a secret algorithm to generate beautiful new colors.



81.3516, 0.3210, 0.4675



78.9621, 0.3209, 0.4980



79.7962, 0.2912, 0.4350



20.3701, 0.3150, 0.3533



37.9080, 0.3087, 0.5931



3.7377, 0.3160, 0.5873



# Inverse Universe

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



41.8989, 0.2948, 0.2088



35.0609, 0.2897, 0.1864



44.8102, 0.3461, 0.2432



18.0769, 0.3101, 0.3053



9.9914, 0.2630, 0.1223

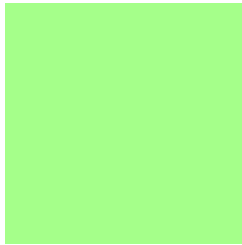


1.0217, 0.2699, 0.1261



# Previews

## White Background



This preview shows how the Yxy color 81.3543, 0.3210, 0.4675 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

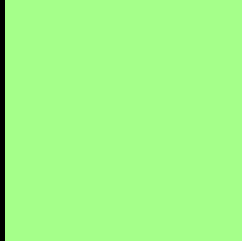
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 81.3543, 0.3210, 0.4675 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 81.3543, 0.3210, 0.4675**

## **Background**



This preview shows how black text looks on a background with the Yxy color 81.3543, 0.3210, 0.4675.



This preview shows how white text looks on a background with the Yxy color 81.3543, 0.3210, 0.4675.

# 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

81.3543, 0.3210, 0.4675

### Protanopia

80.5849, 0.3954, 0.4298

### Deuteranopia

80.2754, 0.3523, 0.3585



## Tritanopia

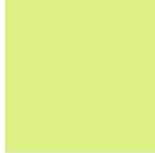
80.6888, 0.2770, 0.3118

# Trichromacy



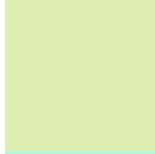
## Original Color

81.3543, 0.3210, 0.4675



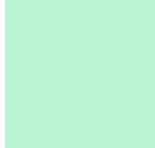
## Protanomaly

79.5432, 0.3657, 0.4440



## Deuteranomaly

79.2326, 0.3408, 0.3957



## Tritanomaly

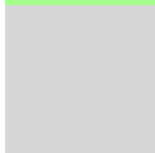
80.3726, 0.2943, 0.3665

# Monochromacy



## Original Color

81.3543, 0.3210, 0.4675



## Achromatopsia

67.9542, 0.3127, 0.3290



## Achromatomaly

72.0518, 0.3172, 0.3790

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 81.3543, 0.3210, 0.4675 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(165, 255, 138)` looks like.

```
.text, #text, p{  
    color:rgb(165, 255, 138)  
}
```

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(165, 255, 138) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 255, 138) }
```

## Border

The CSS property to change the border of an element to Yxy 81.3543, 0.3210, 0.4675 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(165, 255, 138) }
```

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

```
.border{ border-color:rgb(165, 255, 138) }
```

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

Here you see how a box with a 4 pixel `rgb(165, 255, 138)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 255, 138); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 255, 138);  
box-shadow:4px 4px 4px 4px rgb(165, 255,  
138) }
```



# Background

The CSS property to change the background color of an element to Yxy 81.3543, 0.3210, 0.4675 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 255, 138) }
```

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

```
.background{ background-color: rgb(165,  
255, 138) }
```

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