

# Converting Colors

$Yxy(88.2394, 0.3757, 0.4823)$

Have a look what the booklet for  
Yxy(88.2394, 0.3757, 0.4823)  
contains.

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# Color

**Yxy(88.1673, 0.3754, 0.4825)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DFFF66
RGB	223, 255, 102
RGB Percent	87%, 100%, 40%
CMY	0.1254, 0.0000, 0.6001
CMYK	0.13, 0.00, 0.60, 0.00
HSL	73°, 100%, 70%
HSV	73°, 60%, 100%
XYZ	68.5969, 88.1673, 25.9660
YIQ	227.9900, 30.0410, -54.3670

# Conversions

## Conversions Part 2

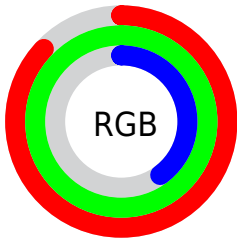
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">102, 255, 134</a>
Decimal	<a href="#">14679910</a>
CIELab	<a href="#">95.23, -30.95, 67.75</a>
CIElCh	<a href="#">95, 74.487, 114.551</a>
Yxy	<a href="#">88.1673, 0.3754, 0.4825</a>
Android (android.graphics.Color)	<a href="#">4292869990 (0xFFDFFF66)</a>
YUV	<a href="#">227.9900, -62.1131, -4.3762</a>
Hunter-Lab	<a href="#">93.8974, -33.9171, 49.3324</a>

# Details

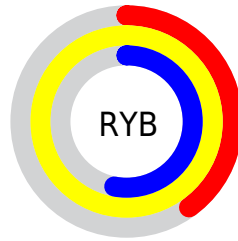
The Yxy color **88.1673, 0.3754, 0.4825** is a light color, and the websafe version is hex **CCFF66**. A complement of this color would be **21.7817, 0.2153, 0.1438**, and the grayscale version is **78.0270, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.2486, 0.3700, 0.4238**, and **48.5619, 0.3827, 0.5141** is the 20% darker color. If you saturate the color by 10%, you get **86.9079, 0.3809, 0.5022**, and if you desaturate by 10%, it is **89.6168, 0.3676, 0.4593**.

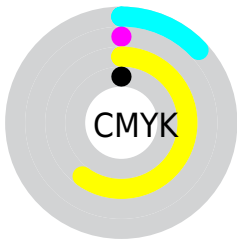
# Distribution



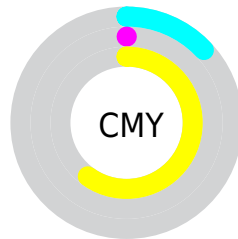
- Red (87%)
- Green (100%)
- Blue (40%)



- Red (40%)
- Yellow (100%)
- Blue (53%)



- Cyan (13%)
- Magenta (0%)
- Yellow (60%)
- Black (0%)




- Cyan (13%)
- Magenta (0%)
- Yellow (60%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 88.1673, 0.3754, 0.4825 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 88.1673, 0.3754, 0.4825 by changing the saturation by 10% instead.




 88.1673, 0.3754,  
0.4825

 88.1673, 0.3754,  
0.4825

522.0510, 0.3522,  
0.4133

 66.4616, 0.3789,  
0.4971


 144.7901, 0.3687,  
0.4593


 48.6472, 0.3823,  
0.5144

 180.4759, 0.3658,  
0.4500

 34.3397, 0.3851,  
0.5348


 221.5907, 0.3630,  
0.4419

 23.1547, 0.3862,  
0.5589

 268.5186, 0.3605,  
0.4348

 14.7078, 0.3840,  
0.5874

321.6443, 0.3581,  
0.4285

 8.6146, 0.3766,  
0.6234

381.3519, 0.3560,

 4.4906, 0.3487,

0.4228

0.6513

448.0260, 0.3540,  
0.4178

■ 1.9516, 0.3027,  
0.6973

■ 0.5791, 0.0000,  
1.0000

■ 88.1673, 0.3754,  
0.4825

■ 88.1673, 0.3754,  
0.4825

■ 86.9079, 0.3809,  
0.5022

■ 89.6168, 0.3676,  
0.4593

■ 85.8116, 0.3838,  
0.5177


■ 91.2576, 0.3581,  
0.4338

■ 84.8646, 0.3840,  
0.5283

■ 93.1056, 0.3474,  
0.4071

■ 84.0384, 0.3821,  
0.5348

■ 95.1714, 0.3359,  
0.3802

 97.4652, 0.3243,  
0.3540

99.9960, 0.3127,  
0.3290

99.9988, 0.3127,  
0.3290

# Harmonies

## Analogous

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



88.1673, 0.4425, 0.4456



88.1673, 0.3754, 0.4825



88.1673, 0.2960, 0.4674

# Triad

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



88.1673, 0.3754, 0.4825



88.1673, 0.1705, 0.2381



88.1673, 0.3979, 0.2720

# Complementary

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



88.1673, 0.3754, 0.4825



21.7817, 0.2153, 0.1438

# 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.



88.1673, 0.3116, 0.2293



88.1673, 0.3754, 0.4825



88.1673, 0.1889, 0.2078

# Square

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



88.1673, 0.3754, 0.4825



88.1673, 0.1820, 0.3024



88.1673, 0.2367, 0.2064



88.1673, 0.4625, 0.3273



# Rectangle

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



88.1673, 0.3754, 0.4825



88.1673, 0.2466, 0.4221



88.1673, 0.2367, 0.2064



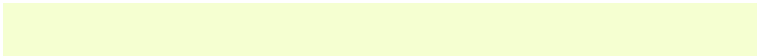
88.1673, 0.3697, 0.2559

# Sweetspot

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



88.1713, 0.3754, 0.4825



95.6152, 0.3336, 0.3749



38.8793, 0.4804, 0.3594



20.3291, 0.3370, 0.3826



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.



88.1713, 0.3754, 0.4825



86.6783, 0.3817, 0.5057



78.7627, 0.3265, 0.5107



20.8880, 0.3237, 0.3527



43.9790, 0.3827, 0.5343



4.3279, 0.3871, 0.5308



# Inverse Universe

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



21.7817, 0.2153, 0.1438



15.0765, 0.1938, 0.1093



30.2870, 0.2771, 0.1709



17.5605, 0.3011, 0.3046



4.2227, 0.1604, 0.0657

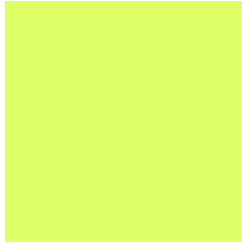


0.4553, 0.1705, 0.0713



# Previews

## White Background



This preview shows how the Yxy color 88.1673, 0.3754, 0.4825 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

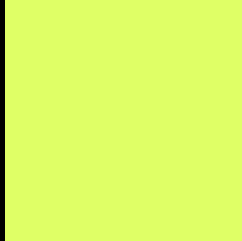
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 88.1673, 0.3754, 0.4825 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 88.1673, 0.3754, 0.4825**

## Background



This preview shows how black text looks on a background with the Yxy color 88.1673, 0.3754, 0.4825.

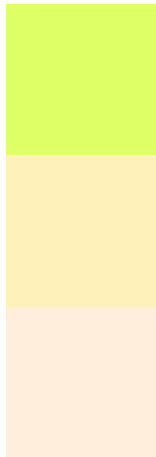


This preview shows how white text looks on a background with the Yxy color 88.1673, 0.3754, 0.4825.

# 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

88.1673, 0.3754, 0.4825

### Protanopia

87.7158, 0.3571, 0.3841

### Deuteranopia

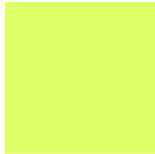
87.5235, 0.3363, 0.3479



## Tritanopia

87.4783, 0.3037, 0.3131

# Trichromacy



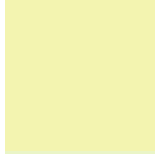
## Original Color

88.1673, 0.3754, 0.4825



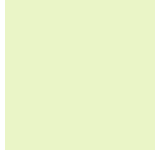
## Protanomaly

87.3328, 0.3663, 0.4218



## Deuteranomaly

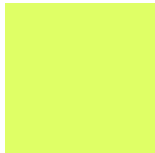
86.8906, 0.3542, 0.3989



## Tritanomaly

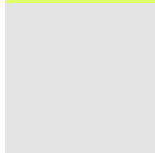
86.9208, 0.3335, 0.3770

# Monochromacy



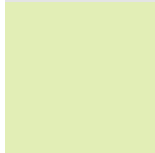
## Original Color

88.1673, 0.3754, 0.4825



## Achromatopsia

77.5822, 0.3127, 0.3290



## Achromatomaly

80.6952, 0.3397, 0.3895

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 88.1673, 0.3754, 0.4825 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(223, 255, 102)` looks like.

```
.text, #text, p{  
    color:rgb(223, 255, 102)  
}
```

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(223, 255, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 255, 102) }
```

## Border

The CSS property to change the border of an element to Yxy 88.1673, 0.3754, 0.4825 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(223, 255, 102) }
```

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

```
.border{ border-color:rgb(223, 255, 102) }
```

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

Here you see how a box with a 4 pixel `rgb(223, 255, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(223, 255, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(223, 255, 102);  
box-shadow:4px 4px 4px 4px rgb(223, 255,  
102) }
```



# Background

The CSS property to change the background color of an element to Yxy 88.1673, 0.3754, 0.4825 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(223, 255, 102) }
```

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

```
.background{ background-color: rgb(223,  
255, 102) }
```

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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