

# Converting Colors

Yxy(86.9490, 0.3897, 0.5149)

Have a look what the booklet for  
Yxy(86.9490, 0.3897, 0.5149)  
contains.

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**Color**

**Yxy(86.9490, 0.3897, 0.5149)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DCFF30
RGB	220, 255, 48
RGB Percent	86%, 100%, 19%
CMY	0.1373, 0.0000, 0.8118
CMYK	0.14, 0.00, 0.81, 0.00
HSL	70°, 100%, 59%
HSV	70°, 81%, 100%
XYZ	65.8070, 86.9490, 16.1098
YIQ	220.9370, 45.5870, -71.7970

# Conversions

## Conversions Part 2

Format	Color
R <sub>Y</sub> B	48, 255, 83
Decimal	14483248
CIE Lab	94.72, -34.90, 85.11
CIE LCh	95, 91.986, 112.294
Yxy	86.9490, 0.3897, 0.5149
Android (android.graphics.Color)	4292673328 (0xFFDCFF30)
YUV	220.9370, -85.2579, -0.8217
Hunter-Lab	93.2464, -37.2081, 55.0292

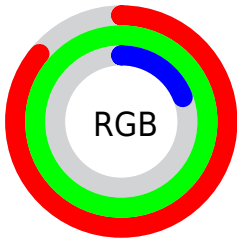
# Details

The Yxy color **86.9490, 0.3897, 0.5149** is a light color, and the websafe version is hex **CCFF33**.

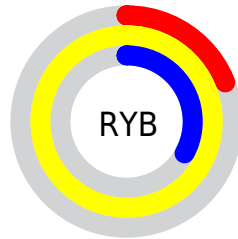
The color can be described as light washed yellow. A complement of this color would be **11.1735, 0.1752, 0.0863**, and the grayscale version is **72.8442, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.9949, 0.3926, 0.4610**, and **47.8617, 0.3856, 0.5320** is the 20% darker color. If you saturate the color by 10%, you get **86.1301, 0.3904, 0.5242**, and if you desaturate by 10%, it is **87.9038, 0.3864, 0.5009**.

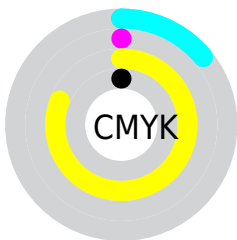
# Distribution



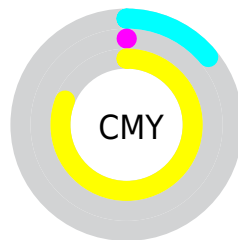
- Red (86%)
- Green (100%)
- Blue (19%)



- Red (19%)
- Yellow (100%)
- Blue (33%)



- Cyan (14%)
- Magenta (0%)
- Yellow (81%)
- Black (0%)




- Cyan (14%)
- Magenta (0%)
- Yellow (81%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 86.9490, 0.3897, 0.5149 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 86.9490, 0.3897, 0.5149 by changing the saturation by 10% instead.





 86.9490, 0.3897,  
0.5149


 86.9490, 0.3897,  
0.5149


518.0553, 0.3641,  
0.4335


 65.4530, 0.3925,  
0.5309


 143.0931, 0.3833,  
0.4885

 47.8285, 0.3943,  
0.5491


 178.5099, 0.3801,  
0.4776

 33.6911, 0.3942,  
0.5695


 219.3358, 0.3770,  
0.4681

 22.6564, 0.3909,  
0.5923

 265.9552, 0.3740,  
0.4595

 14.3400, 0.3822,  
0.6178

 318.7524, 0.3713,  
0.4519

 8.3575, 0.3607,  
0.6393


378.1119, 0.3687,


 4.3246, 0.3283,


0.4451


0.6717


444.4181, 0.3664,  
0.4390

 1.8567, 0.2728,  
0.7272


 0.5222, 0.0000,  
1.0000


 86.9490, 0.3897,  
0.5149


 86.9490, 0.3897,  
0.5149


 86.1301, 0.3904,  
0.5242

 87.9038, 0.3864,  
0.5009

 85.4984, 0.3892,  
0.5292

 89.0161, 0.3805,  
0.4825

 90.2999, 0.3723,  
0.4604

 91.7684, 0.3622,  
0.4358

93.4336, 0.3508,  
0.4097

95.3061, 0.3387,  
0.3831

97.3959, 0.3263,  
0.3569

99.7124, 0.3141,  
0.3319

100.0000, 0.3127,  
0.3290

# Harmonies

## Analogous

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



86.9490, 0.4704, 0.4584



86.9490, 0.3897, 0.5149



86.9490, 0.2951, 0.5101

# Triad

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



86.9490, 0.3897, 0.5149



86.9490, 0.1443, 0.2212



86.9490, 0.4097, 0.2551

# Complementary

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



86.9490, 0.3897, 0.5149



11.1735, 0.1752, 0.0863

# 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.



86.9490, 0.3020, 0.2075



86.9490, 0.3897, 0.5149



86.9490, 0.1630, 0.1855

# Square

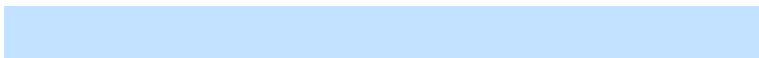
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



86.9490, 0.3897, 0.5149



86.9490, 0.1584, 0.3004



86.9490, 0.2149, 0.1830



86.9490, 0.4938, 0.3175



# Rectangle

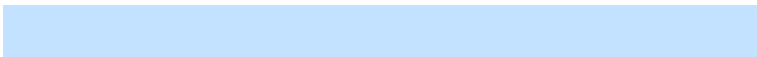
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



86.9490, 0.3897, 0.5149



86.9490, 0.2357, 0.4558



86.9490, 0.2149, 0.1830



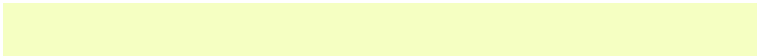
86.9490, 0.3737, 0.2371

# Sweetspot

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



86.9479, 0.3897, 0.5149



94.7556, 0.3422, 0.3906



27.5839, 0.5735, 0.3529



20.1382, 0.3465, 0.4001



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.



86.9479, 0.3897, 0.5149



85.7081, 0.3897, 0.5277



75.5154, 0.3251, 0.5626



20.9262, 0.3243, 0.3527



44.7320, 0.3897, 0.5288



4.3947, 0.3933, 0.5260



# Inverse Universe

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



11.1735, 0.1752, 0.0863



8.0511, 0.1584, 0.0657



19.7733, 0.2531, 0.1272



17.5253, 0.3005, 0.3046



4.0852, 0.1573, 0.0640

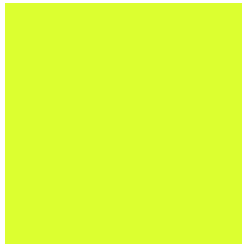


0.4370, 0.1664, 0.0690



# Previews

## White Background



This preview shows how the Yxy color 86.9490, 0.3897, 0.5149 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

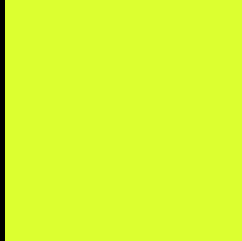
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 86.9490, 0.3897, 0.5149 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 86.9490, 0.3897, 0.5149**

## **Background**



This preview shows how black text looks on a background with the Yxy color 86.9490, 0.3897, 0.5149.

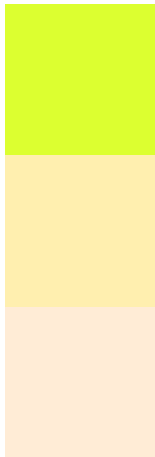


This preview shows how white text looks on a background with the Yxy color 86.9490, 0.3897, 0.5149.

# 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

86.9490, 0.3897, 0.5149

### Protanopia

86.0881, 0.3648, 0.3933

### Deuteranopia

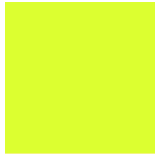
86.1059, 0.3398, 0.3510



## Tritanopia

86.7198, 0.3031, 0.3121

# Trichromacy



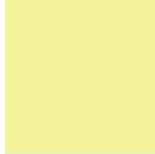
## Original Color

86.9490, 0.3897, 0.5149



## Protanomaly

85.7670, 0.3805, 0.4456



## Deuteranomaly

85.3115, 0.3671, 0.4204



## Tritanomaly

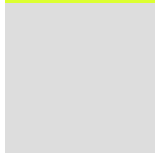
85.1525, 0.3440, 0.3965

# Monochromacy



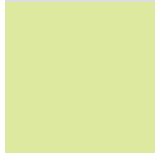
## Original Color

86.9490, 0.3897, 0.5149



## Achromatopsia

72.3055, 0.3127, 0.3290



## Achromatomaly

76.1186, 0.3523, 0.4118

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 86.9490, 0.3897, 0.5149 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(220, 255, 48)` looks like.

```
.text, #text, p{  
    color:rgb(220, 255, 48)  
}
```

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(220, 255, 48) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 255, 48) }
```

## Border

The CSS property to change the border of an element to Yxy 86.9490, 0.3897, 0.5149 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(220, 255, 48) }
```

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

```
.border{ border-color:rgb(220, 255, 48) }
```

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

Here you see how a box with a 4 pixel `rgb(220, 255, 48)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 255, 48); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 255, 48);  
box-shadow:4px 4px 4px 4px rgb(220, 255,  
48) }
```



# Background

The CSS property to change the background color of an element to Yxy 86.9490, 0.3897, 0.5149 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 255, 48) }
```

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

```
.background{ background-color: rgb(220,  
255, 48) }
```

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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