

# Converting Colors

$Y_{xy}(112.4246, 0.3630, 0.4813)$

Have a look what the booklet for  
Yxy(112.4246, 0.3630, 0.4813)  
contains.

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# Color

**Yxy(90.8081, 0.3746, 0.4598)**

# Conversions

## Conversions Part 1

Format	Color
Hex	ECFF7C
RGB	236, 255, 124
RGB Percent	93%, 100%, 49%
CMY	0.0747, 0.0000, 0.5136
CMYK	0.07, 0.00, 0.51, 0.00
HSL	69°, 100%, 74%
HSV	69°, 51%, 100%
XYZ	73.9815, 90.8081, 32.7051
YIQ	234.3850, 30.7270, -44.7690

# Conversions

## Conversions Part 2

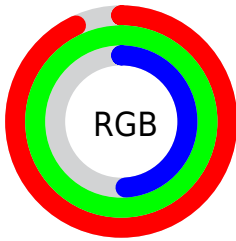
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">124, 255, 143</a>
Decimal	<a href="#">15531900</a>
<a href="#">CIELab</a>	<a href="#">96.33, -24.25, 59.73</a>
<a href="#">CIElCh</a>	<a href="#">96, 64.467, 112.095</a>
<a href="#">Yxy</a>	<a href="#">90.8081, 0.3746, 0.4598</a>
<a href="#">Android (android.graphics.Color)</a>	<a href="#">4293721980 (0xFFE0FF7C)</a>
<a href="#">YUV</a>	<a href="#">234.3850, -54.4198, 1.4164</a>
<a href="#">Hunter-Lab</a>	<a href="#">95.2933, -28.1836, 46.3567</a>

# Details

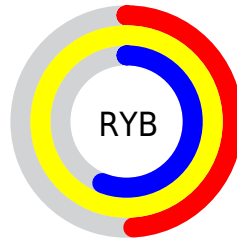
The Yxy color **90.8081, 0.3746, 0.4598** is a light color, and the websafe version is hex **FFFF66**. A complement of this color would be **27.4879, 0.2258, 0.1696**, and the grayscale version is **82.9817, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.0347, 0.3579, 0.4037**, and **50.2953, 0.3837, 0.4866** is the 20% darker color. If you saturate the color by 10%, you get **89.6100, 0.3832, 0.4813**, and if you desaturate by 10%, it is **92.1738, 0.3641, 0.4356**.

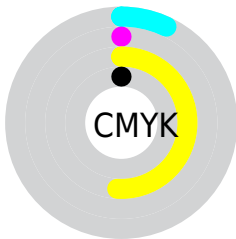
# Distribution



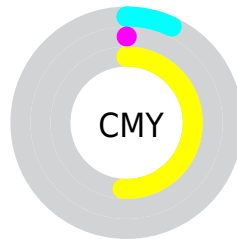
- Red (93%)
- Green (100%)
- Blue (49%)



- Red (49%)
- Yellow (100%)
- Blue (56%)



- Cyan (7%)
- Magenta (0%)
- Yellow (51%)
- Black (0%)




- Cyan (7%)
- Magenta (0%)
- Yellow (51%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 90.8081, 0.3746, 0.4598 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 90.8081, 0.3746, 0.4598 by changing the saturation by 10% instead.



 90.8081, 0.3746,  
0.4598

 90.8081, 0.3746,  
0.4598


530.6561, 0.3503,  
0.4011

 68.6511, 0.3789,  
0.4723

 148.4604, 0.3672,  
0.4401

 50.4276, 0.3835,  
0.4872


 184.7244, 0.3640,  
0.4322

 35.7533, 0.3882,  
0.5050


 226.4596, 0.3611,  
0.4253

 24.2437, 0.3925,  
0.5265

274.0503, 0.3585,  
0.4193

 15.5145, 0.3952,  
0.5522

327.8808, 0.3562,  
0.4140

 9.1813, 0.3980,  
0.5890

388.3358, 0.3540,

 4.8596, 0.3826,

0.4092

0.6174

455.7994, 0.3521,  
0.4049

■ 2.1651, 0.3488,  
0.6512

■ 0.7009, 0.0958,  
0.9042

■ 90.8081, 0.3746,  
0.4598

■ 90.8081, 0.3746,  
0.4598

■ 89.6100, 0.3832,  
0.4813

■ 92.1738, 0.3641,  
0.4356

■ 88.5848, 0.3895,  
0.4991


■ 93.7375, 0.3523,  
0.4098

■ 87.7112, 0.3932,  
0.5126

■ 95.5037, 0.3398,  
0.3834

■ 86.9709, 0.3942,  
0.5214

■ 97.4824, 0.3270,  
0.3574

 86.4145, 0.3934,  
0.5258

 99.6827, 0.3144,  
0.3323

100.0000, 0.3127,  
0.3290

# Harmonies

## Analogous

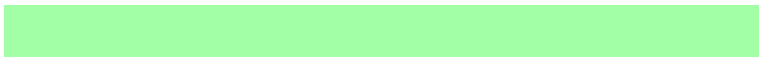
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



90.8081, 0.4305, 0.4289



90.8081, 0.3746, 0.4598



90.8081, 0.3056, 0.4485

# Triad

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



90.8081, 0.3746, 0.4598



90.8081, 0.1873, 0.2546



90.8081, 0.3804, 0.2760

# Complementary

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



90.8081, 0.3746, 0.4598



27.4879, 0.2258, 0.1696

# 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.



90.8081, 0.3065, 0.2389



90.8081, 0.3746, 0.4598



90.8081, 0.2017, 0.2243

# Square

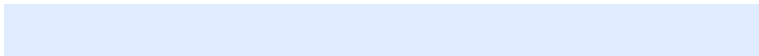
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



90.8081, 0.3746, 0.4598



90.8081, 0.2006, 0.3133



90.8081, 0.2424, 0.2203



90.8081, 0.4380, 0.3251



# Rectangle

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



90.8081, 0.3746, 0.4598



90.8081, 0.2615, 0.4131



90.8081, 0.2424, 0.2203



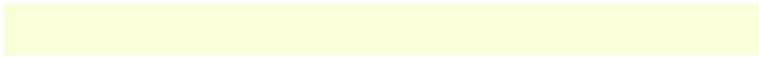
90.8081, 0.3561, 0.2619

# Sweetspot

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



90.8019, 0.3746, 0.4598



96.7373, 0.3317, 0.3668



41.9106, 0.4514, 0.3473



20.6162, 0.3344, 0.3723



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.



90.8019, 0.3746, 0.4598



89.5397, 0.3837, 0.4826



81.7523, 0.3318, 0.4807



20.9491, 0.3246, 0.3526



45.2045, 0.3939, 0.5255



4.4363, 0.3969, 0.5230



# Inverse Universe

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



27.4879, 0.2258, 0.1696



19.7357, 0.2049, 0.1346



34.9042, 0.2763, 0.1891



17.5044, 0.3001, 0.3046



4.0167, 0.1557, 0.0631

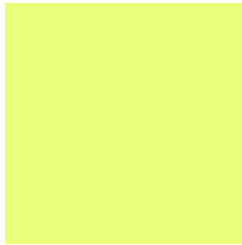


0.4271, 0.1641, 0.0678



# Previews

## White Background



This preview shows how the Yxy color 90.8081, 0.3746, 0.4598 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 90.8081, 0.3746, 0.4598 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 90.8081, 0.3746, 0.4598**

## **Background**



This preview shows how black text looks on a background with the Yxy color 90.8081, 0.3746, 0.4598.

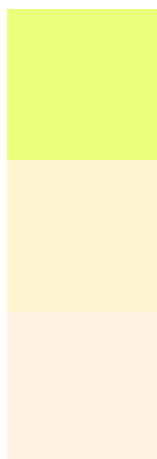


This preview shows how white text looks on a background with the Yxy color 90.8081, 0.3746, 0.4598.

# 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

90.8081, 0.3746, 0.4598

### Protanopia

90.3691, 0.3443, 0.3678

### Deuteranopia

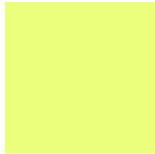
90.4214, 0.3294, 0.3418



## Tritanopia

90.2703, 0.3095, 0.3154

# Trichromacy



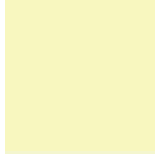
## Original Color

90.8081, 0.3746, 0.4598



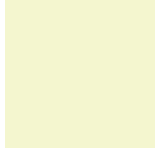
## Protanomaly

90.2259, 0.3567, 0.4017



## Deuteranomaly

90.2396, 0.3477, 0.3856



## Tritanomaly

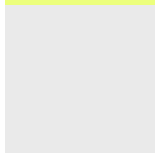
89.6496, 0.3352, 0.3686

# Monochromacy



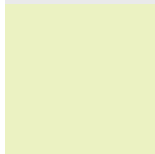
## Original Color

90.8081, 0.3746, 0.4598



## Achromatopsia

82.2786, 0.3127, 0.3290



## Achromatomaly

85.0615, 0.3378, 0.3793

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 90.8081, 0.3746, 0.4598 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(236, 255, 124)` looks like.

```
.text, #text, p{  
    color:rgb(236, 255, 124)  
}
```

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(236, 255, 124) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 255, 124) }
```

## Border

The CSS property to change the border of an element to Yxy 90.8081, 0.3746, 0.4598 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(236, 255, 124) }
```

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

```
.border{ border-color:rgb(236, 255, 124) }
```

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

Here you see how a box with a 4 pixel `rgb(236, 255, 124)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 255, 124); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 255, 124);  
box-shadow:4px 4px 4px 4px rgb(236, 255,  
124) }
```



# Background

The CSS property to change the background color of an element to Yxy 90.8081, 0.3746, 0.4598 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 255, 124) }
```

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

```
.background{ background-color: rgb(236,  
255, 124) }
```

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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