

Converting Colors

$Y_{xy}(81.1311, 0.3684, 0.4533)$

Have a look what the booklet for
Yxy(81.1311, 0.3684, 0.4533)
contains.

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Color

Yxy(81.1371, 0.3684, 0.4533)

Conversions

Conversions Part 1

Format	Color
Hex	DEF37E
RGB	222, 243, 126
RGB Percent	87%, 95%, 49%
CMY	0.1294, 0.0470, 0.5060
CMYK	0.09, 0.00, 0.48, 0.05
HSL	71°, 83%, 72%
HSV	71°, 48%, 95%
XYZ	65.9407, 81.1371, 31.9143
YIQ	223.3830, 25.0410, -40.8390

Conversions

Conversions Part 2

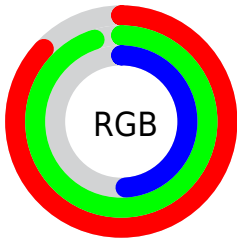
Format	Color
R _Y B	126, 243, 147
Decimal	14611326
CIE Lab	92.19, -23.72, 53.69
CIE LCh	92, 58.691, 113.834
Yxy	81.1371, 0.3684, 0.4533
Android (android.graphics.Color)	4292801406 (0xFFDEF37E)
YUV	223.3830, -48.0098, -1.2129
Hunter-Lab	90.0761, -26.9614, 42.0466

Details

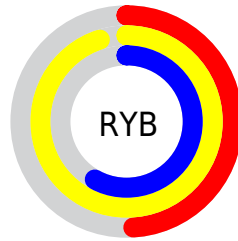
The Yxy color **81.1371, 0.3684, 0.4533** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **27.5869, 0.2354, 0.1821**, and the grayscale version is **74.4144, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.1162, 0.3567, 0.4018**, and **44.0210, 0.3770, 0.4811** is the 20% darker color. If you saturate the color by 10%, you get **79.9082, 0.3771, 0.4764**, and if you desaturate by 10%, it is **82.5434, 0.3581, 0.4280**.

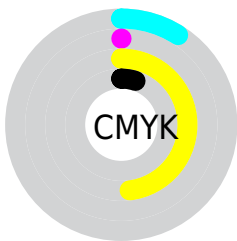
Distribution



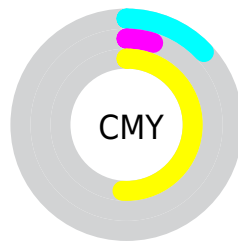
- Red (87%)
- Green (95%)
- Blue (49%)



- Red (49%)
- Yellow (95%)
- Blue (58%)



- Cyan (9%)
- Magenta (0%)
- Yellow (48%)
- Black (5%)





- Cyan (13%)
- Magenta (5%)
- Yellow (51%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 81.1371, 0.3684, 0.4533 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 81.1371, 0.3684, 0.4533 by changing the saturation by 10% instead.


 81.1371, 0.3684,
0.4533

 81.1371, 0.3684,
0.4533


498.7567, 0.3459,
0.3960

 60.6545, 0.3725,
0.4659


 134.9633, 0.3614,
0.4337

 43.9464, 0.3770,
0.4812


 169.0756, 0.3584,
0.4260

 30.6284, 0.3816,
0.4998


 208.5000, 0.3557,
0.4193

 20.3160, 0.3860,
0.5227

253.6209, 0.3534,
0.4134

 12.6250, 0.3887,
0.5510

304.8226, 0.3512,
0.4083

 7.1708, 0.3936,
0.5958

362.4896, 0.3492,

 3.5692, 0.3734,

0.4037

0.6266

427.0061, 0.3475,
0.3996

■ 1.4356, 0.3290,
0.6710

■ 0.2427, 0.0000,
1.0000

■ 81.1371, 0.3684,
0.4533

■ 81.1371, 0.3684,
0.4533

■ 79.9082, 0.3771,
0.4764

■ 82.5434, 0.3581,
0.4280

■ 78.8345, 0.3835,
0.4963


■ 84.1264, 0.3466,
0.4016


■ 77.9066, 0.3875,
0.5119


■ 85.8992, 0.3346,
0.3751


■ 77.1095, 0.3888,
0.5230


■ 87.8704, 0.3225,
0.3492

 76.4219, 0.3877,
0.5296

 90.0480, 0.3106,
0.3246

 76.3018, 0.3874,
0.5306

 91.3116, 0.3089,
0.3173

 92.1186, 0.3117,
0.3175

 92.5844, 0.3133,
0.3175

Harmonies

Analogous

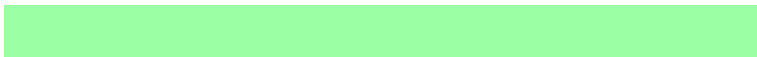
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



81.1371, 0.4224, 0.4268



81.1371, 0.3684, 0.4533



81.1371, 0.3027, 0.4391

Triad

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



81.1371, 0.3684, 0.4533



81.1371, 0.1933, 0.2563



81.1371, 0.3806, 0.2812

Complementary

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



81.1371, 0.3684, 0.4533



27.5869, 0.2354, 0.1821

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.



81.1371, 0.3110, 0.2448



81.1371, 0.3684, 0.4533



81.1371, 0.2085, 0.2285

Square

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



81.1371, 0.3684, 0.4533



81.1371, 0.2047, 0.3108



81.1371, 0.2491, 0.2258



81.1371, 0.4332, 0.3287

Rectangle

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



81.1371, 0.3684, 0.4533



81.1371, 0.2612, 0.4044



81.1371, 0.2491, 0.2258



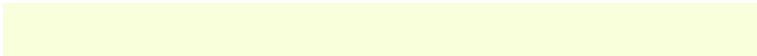
81.1371, 0.3580, 0.2674

Sweetspot

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



81.1408, 0.3684, 0.4533



96.7156, 0.3296, 0.3643



40.9589, 0.4359, 0.3506



20.6013, 0.3322, 0.3699



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.



81.1408, 0.3684, 0.4533



89.1534, 0.3770, 0.4764



73.6078, 0.3287, 0.4713



19.1544, 0.3241, 0.3526



41.9290, 0.3879, 0.5302



3.7235, 0.3921, 0.5269

Inverse Universe

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



27.5869, 0.2354, 0.1821



22.7949, 0.2161, 0.1488



34.2231, 0.2828, 0.1994



16.0697, 0.3007, 0.3047



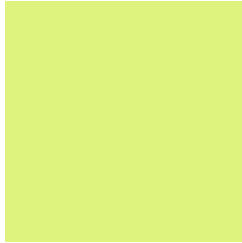
3.8815, 0.1582, 0.0645



0.3801, 0.1687, 0.0703

Previews

White Background



This preview shows how the Yxy color 81.1371, 0.3684, 0.4533 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 81.1371, 0.3684, 0.4533 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

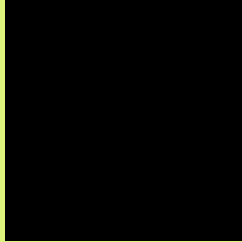
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 81.1371, 0.3684, 0.4533

Background



This preview shows how black text looks on a background with the Yxy color 81.1371, 0.3684, 0.4533.

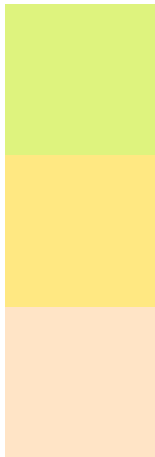


This preview shows how white text looks on a background with the Yxy color 81.1371, 0.3684, 0.4533.

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

81.1371, 0.3684, 0.4533

Protanopia

80.5849, 0.3954, 0.4298

Deuteranopia

80.8240, 0.3521, 0.3595



Tritanopia

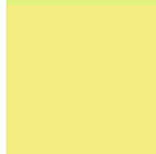
80.5869, 0.3061, 0.3107

Trichromacy



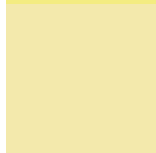
Original Color

81.1371, 0.3684, 0.4533



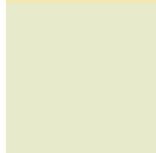
Protanomaly

80.6306, 0.3851, 0.4379



Deuteranomaly

80.3111, 0.3596, 0.3927



Tritanomaly

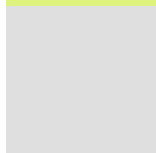
80.1464, 0.3304, 0.3620

Monochromacy



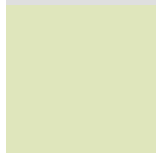
Original Color

81.1371, 0.3684, 0.4533



Achromatopsia

73.7910, 0.3127, 0.3290



Achromatomaly

75.9124, 0.3351, 0.3751

CSS Examples

Text

The CSS property to change the color of the text to Yxy 81.1371, 0.3684, 0.4533 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(222, 243, 126)` looks like.

```
.text, #text, p{  
    color:rgb(222, 243, 126)  
}
```

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(222, 243, 126) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 243, 126) }
```

Border

The CSS property to change the border of an element to Yxy 81.1371, 0.3684, 0.4533 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(222, 243, 126) }
```

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

```
.border{ border-color:rgb(222, 243, 126) }
```

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

Here you see how a box with a 4 pixel rgb(222, 243, 126) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 243, 126); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 243, 126);  
box-shadow:4px 4px 4px 4px rgb(222, 243,  
126) }
```


Background

The CSS property to change the background color of an element to Yxy 81.1371, 0.3684, 0.4533 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 243, 126) }
```

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

```
.background{ background-color: rgb(222,  
243, 126) }
```

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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