

# Converting Colors

Yxy(47.5268, 0.3081, 0.4266)

Have a look what the booklet for  
Yxy(47.5268, 0.3081, 0.4266)  
contains.

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# Color

**Yxy(47.5268, 0.3081, 0.4266)**

# Conversions

Conversions Part 1	
Format	Color
Hex	85C785
RGB	133, 199, 133
RGB Percent	52%, 78%, 52%
CMY	0.4786, 0.2196, 0.4784
CMYK	0.33, 0.00, 0.33, 0.22
HSL	120°, 37%, 65%
HSV	120°, 33%, 78%
XYZ	34.3249, 47.5268, 29.5566
YIQ	171.7420, -18.1500, -34.5180

# Conversions

## Conversions Part 2

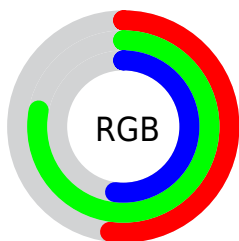
Format	Color
<a href="#">RYB</a>	<a href="#">133, 199, 199</a>
Decimal	<a href="#">8767365</a>
CIELab	<a href="#">74.53, -34.13, 26.58</a>
CIELCh	<a href="#">75, 43.262, 142.090</a>
Yxy	<a href="#">47.5268, 0.3081, 0.4266</a>
Android (android.graphics.Color)	<a href="#">4286957445</a> (0xFF85C785)
YUV	<a href="#">171.7420, -19.0998, -33.9767</a>
Hunter-Lab	<a href="#">68.9397, -31.7697, 22.8383</a>

# Details

The Yxy color **47.5268, 0.3081, 0.4266** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **33.0284, 0.3166, 0.2475**, and the grayscale version is **41.2194, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.7992, 0.3097, 0.4059**, and **22.5808, 0.3040, 0.4578** is the 20% darker color. If you saturate the color by 10%, you get **45.5615, 0.3064, 0.4618**, and if you desaturate by 10%, it is **49.9070, 0.3097, 0.3935**.

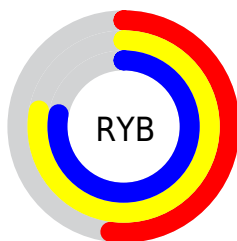
# Distribution



Red (52%)

Green (78%)

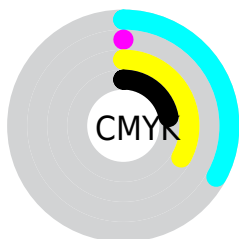
Blue (52%)



Red (52%)

Yellow (78%)

Blue (78%)

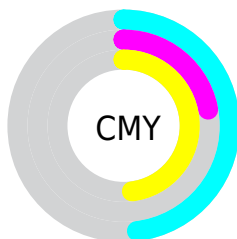


Cyan (33%)

Magenta (0%)

Yellow (33%)

Black (22%)



Cyan (48%)

Magenta (22%)


Yellow (48%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 47.5268, 0.3081, 0.4266 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 47.5268, 0.3081, 0.4266 by changing the saturation by 10% instead.




 47.5268, 0.3081,  
0.4266


 47.5268, 0.3081,  
0.4266


376.9134, 0.3119,  
0.3754


 33.4523, 0.3066,  
0.4401


 86.4994, 0.3099,  
0.4075

 22.4732, 0.3044,  
0.4578


 112.1664, 0.3104,  
0.4004

 14.2050, 0.3008,  
0.4820


 142.4662, 0.3108,  
0.3945

 8.2634, 0.2945,  
0.5167

177.7834, 0.3111,  
0.3896

 4.2639, 0.2822,  
0.5701

218.5024, 0.3114,  
0.3853

 1.8223, 0.2761,  
0.7239


265.0074, 0.3116,

 0.5010, 0.0000,

0.3815


1.0000


317.6829, 0.3117,  
0.3783


 0.0000, 0.0000,  
0.0000


 47.5268, 0.3081,  
0.4266

 47.5268, 0.3081,  
0.4266


 45.5615, 0.3064,  
0.4618


 49.9070, 0.3097,  
0.3935


 43.9819, 0.3048,  
0.4975


 52.7175, 0.3111,  
0.3634

 42.7642, 0.3032,  
0.5312


 55.9802, 0.3123,  
0.3368

 41.8800, 0.3018,  
0.5602

 59.7140, 0.3134,  
0.3136

 41.2961, 0.3008,  
0.5818

 63.9364, 0.3144,  
0.2935

 40.9729, 0.3002,  
0.5949

 68.6641, 0.3152,  
0.2763

 40.8525, 0.3000,  
0.6000

 69.3322, 0.3153,  
0.2742

# Harmonies

## Analogous

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



47.5268, 0.3663, 0.4379



47.5268, 0.3081, 0.4266



47.5268, 0.2540, 0.3789

# Triad

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



47.5268, 0.3081, 0.4266



47.5268, 0.2181, 0.2403



47.5268, 0.4169, 0.3271

# Complementary

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



47.5268, 0.3081, 0.4266



33.0284, 0.3166, 0.2475

# 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.



47.5268, 0.3694, 0.2843



47.5268, 0.3081, 0.4266



47.5268, 0.2536, 0.2361

# Square

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



47.5268, 0.3081, 0.4266



47.5268, 0.2057, 0.2674



47.5268, 0.3081, 0.2520



47.5268, 0.4326, 0.3735

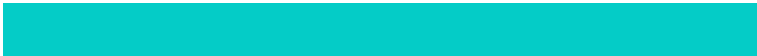


# Rectangle

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



47.5268, 0.3081, 0.4266



47.5268, 0.2273, 0.3375



47.5268, 0.3081, 0.2520



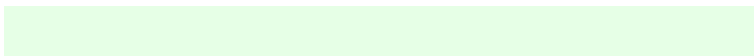
47.5268, 0.4039, 0.3121

# Sweetspot

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



47.5288, 0.3081, 0.4266



93.9466, 0.3115, 0.3549



54.6881, 0.3623, 0.4109



19.9407, 0.3113, 0.3589



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

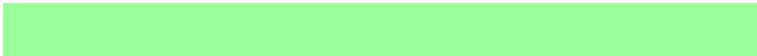


# Same Dimension

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



47.5288, 0.3081, 0.4266



80.5948, 0.3069, 0.4525



48.5877, 0.2865, 0.3765



11.8880, 0.3116, 0.3528



26.2657, 0.3000, 0.5999



1.2437, 0.2999, 0.5997



# Inverse Universe

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



33.0284, 0.3166, 0.2475



51.2574, 0.3174, 0.2302



31.6593, 0.3509, 0.2862



10.8165, 0.3138, 0.3063



10.4546, 0.3211, 0.1543



0.4951, 0.3211, 0.1542



# Previews

## White Background



This preview shows how the Yxy color 47.5268, 0.3081, 0.4266 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

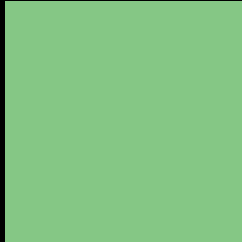
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 47.5268, 0.3081, 0.4266 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 47.5268, 0.3081, 0.4266**

## Background



This preview shows how black text looks on a background with the Yxy color 47.5268, 0.3081, 0.4266.



This preview shows how white text looks on a background with the Yxy color 47.5268, 0.3081, 0.4266.

# 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

47.5268, 0.3081, 0.4266

### Protanopia

46.8326, 0.3725, 0.4008

### Deuteranopia

46.9420, 0.3821, 0.3742



## Tritanopia

47.3457, 0.2692, 0.3087

# Trichromacy



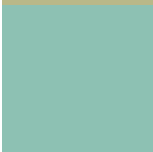
**Original Color**  
47.5268, 0.3081, 0.4266



**Protanomaly**  
46.5501, 0.3468, 0.4097



**Deuteranomaly**  
46.3728, 0.3524, 0.3929



**Tritanomaly**  
47.0573, 0.2830, 0.3487

# Monochromacy



**Original Color**  
47.5268, 0.3081, 0.4266



**Achromatopsia**  
41.2543, 0.3127, 0.3290



**Achromatomaly**  
43.1936, 0.3111, 0.3632

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 47.5268, 0.3081, 0.4266 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(133, 199, 133)` looks like.

```
.text, #text, p{  
    color:rgb(133, 199, 133)  
}
```

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(133, 199, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 199, 133) }
```

## Border

The CSS property to change the border of an element to Yxy 47.5268, 0.3081, 0.4266 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(133, 199, 133) }
```

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

```
.border{ border-color:rgb(133, 199, 133) }
```

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

Here you see how a box with a 4 pixel rgb(133, 199, 133) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 199, 133); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 199, 133);  
box-shadow:4px 4px 4px 4px rgb(133, 199,  
133) }
```



# Background

The CSS property to change the background color of an element to Yxy 47.5268, 0.3081, 0.4266 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 199, 133) }
```

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

```
.background{ background-color: rgb(133,  
199, 133) }
```

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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