

# Converting Colors

$Yxy(50.1913, 0.3326, 0.4271)$

Have a look what the booklet for  
Yxy(50.1913, 0.3326, 0.4271)  
contains.

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**Color**

**Yxy(50.4706, 0.3325, 0.4269)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A1C881
RGB	161, 200, 129
RGB Percent	63%, 78%, 51%
CMY	0.3688, 0.2156, 0.4940
CMYK	0.20, 0.00, 0.35, 0.22
HSL	93°, 39%, 65%
HSV	93°, 35%, 78%
XYZ	39.3101, 50.4706, 28.4451
YIQ	180.2450, -0.4530, -30.3490

# Conversions

## Conversions Part 2

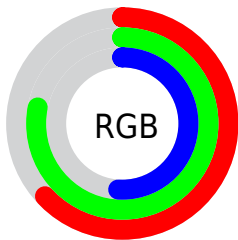
Format	Color
<a href="#">RYB</a>	<a href="#">129, 200, 168</a>
Decimal	<a href="#">10602625</a>
CIELab	<a href="#">76.36, -25.56, 31.38</a>
CIELCh	<a href="#">76, 40.477, 129.165</a>
Yxy	<a href="#">50.4706, 0.3325, 0.4269</a>
Android (android.graphics.Color)	<a href="#">4288792705 (0xFFA1C881)</a>
YUV	<a href="#">180.2450, -25.2638, -16.8779</a>
Hunter-Lab	<a href="#">71.0427, -25.5551, 25.9904</a>

# Details

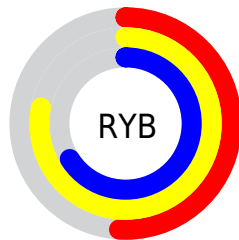
The Yxy color **50.4706, 0.3325, 0.4269** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **28.2089, 0.2848, 0.2333**, and the grayscale version is **45.9172, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.6906, 0.3301, 0.4061**, and **24.3104, 0.3352, 0.4558** is the 20% darker color. If you saturate the color by 10%, you get **48.8990, 0.3367, 0.4574**, and if you desaturate by 10%, it is **52.2513, 0.3274, 0.3971**.

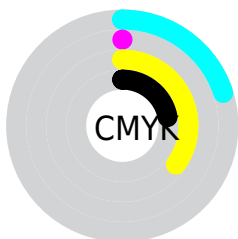
# Distribution



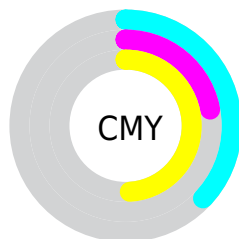
- Red (63%)
- Green (78%)
- Blue (51%)



- Red (51%)
- Yellow (78%)
- Blue (66%)



- Cyan (20%)
- Magenta (0%)
- Yellow (35%)
- Black (22%)




- Cyan (37%)
- Magenta (22%)
- Yellow (49%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 50.4706, 0.3325, 0.4269 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 50.4706, 0.3325, 0.4269 by changing the saturation by 10% instead.





 50.4706, 0.3325,  
0.4269

 50.4706, 0.3325,  
0.4269


388.5034, 0.3242,  
0.3767

 35.7875, 0.3340,  
0.4397


 90.8717, 0.3299,  
0.4084

 24.2701, 0.3355,  
0.4562

 117.3586, 0.3288,  
0.4015

 15.5341, 0.3368,  
0.4783


 148.5487, 0.3278,  
0.3957

 9.1951, 0.3373,  
0.5089

184.8266, 0.3269,  
0.3908

 4.8686, 0.3346,  
0.5536

226.5766, 0.3261,  
0.3865

 2.1704, 0.3411,  
0.6589

274.1832, 0.3254,

 0.7038, 0.0599,

0.3828

0.9401

328.0306, 0.3248,  
0.3795

0.0000, 0.0000,  
0.0000

50.4706, 0.3325,  
0.4269

50.4706, 0.3325,  
0.4269

48.8990, 0.3367,  
0.4574

52.2513, 0.3274,  
0.3971

47.5211, 0.3395,  
0.4874

54.2426, 0.3218,  
0.3687

46.3299, 0.3406,  
0.5152

56.4543, 0.3160,  
0.3425

45.3148, 0.3398,  
0.5394

58.8935, 0.3101,  
0.3185


44.4643, 0.3368,  
0.5585


61.5671, 0.3043,  
0.2969


 43.7642, 0.3321,  
0.5717

 64.4817, 0.2988,  
0.2775

 43.4875, 0.3297,  
0.5764

 66.7067, 0.3028,  
0.2731

 68.6693, 0.3108,  
0.2745

 69.7940, 0.3152,  
0.2752

# Harmonies

## Analogous

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



50.4706, 0.3831, 0.4233



50.4706, 0.3325, 0.4269



50.4706, 0.2791, 0.3962

# Triad

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



50.4706, 0.3325, 0.4269



50.4706, 0.2174, 0.2554



50.4706, 0.3923, 0.3098

# Complementary

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



50.4706, 0.3325, 0.4269



28.2089, 0.2848, 0.2333

# 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.



50.4706, 0.3410, 0.2732



50.4706, 0.3325, 0.4269



50.4706, 0.2416, 0.2422

# Square

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



50.4706, 0.3325, 0.4269



50.4706, 0.2157, 0.2903



50.4706, 0.2854, 0.2492



50.4706, 0.4206, 0.3524



# Rectangle

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



50.4706, 0.3325, 0.4269



50.4706, 0.2491, 0.3616



50.4706, 0.2854, 0.2492



50.4706, 0.3769, 0.2966

# Sweetspot

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



50.4728, 0.3325, 0.4269



95.5136, 0.3193, 0.3571



41.8960, 0.3788, 0.3796



20.3327, 0.3201, 0.3607



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

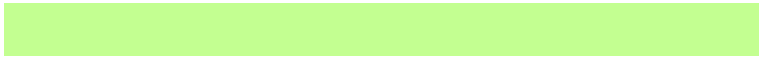


# Same Dimension

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



50.4728, 0.3325, 0.4269



85.1357, 0.3360, 0.4517



47.6643, 0.3055, 0.4293



12.1176, 0.3182, 0.3524



27.6989, 0.3307, 0.5756



1.3544, 0.3474, 0.5624



# Inverse Universe

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



28.2089, 0.2848, 0.2333



40.6515, 0.2764, 0.2097



31.9934, 0.3203, 0.2458



10.5701, 0.3067, 0.3057



4.8135, 0.2133, 0.0949



0.2705, 0.2350, 0.1068



# Previews

## White Background



This preview shows how the Yxy color 50.4706, 0.3325, 0.4269 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 50.4706, 0.3325, 0.4269 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

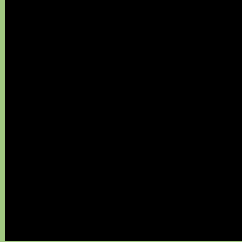
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 50.4706, 0.3325, 0.4269**

## **Background**



This preview shows how black text looks on a background with the Yxy color 50.4706, 0.3325, 0.4269.



This preview shows how white text looks on a background with the Yxy color 50.4706, 0.3325, 0.4269.

# 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

50.4706, 0.3325, 0.4269

### Protanopia

50.2590, 0.3779, 0.4083

### Deuteranopia

50.0239, 0.3917, 0.3843



## Tritanopia

50.4885, 0.2871, 0.3098

# Trichromacy



## Original Color

50.4706, 0.3325, 0.4269

## Protanomaly

49.8970, 0.3603, 0.4146

## Deuteranomaly

49.4860, 0.3684, 0.3984

## Tritanomaly

50.1228, 0.3038, 0.3503

# Monochromacy



## Original Color

50.4706, 0.3325, 0.4269

## Achromatopsia

45.6411, 0.3127, 0.3290

## Achromatomaly

46.9981, 0.3211, 0.3642

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 50.4706, 0.3325, 0.4269 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(161, 200, 129)` looks like.

```
.text, #text, p{  
    color:rgb(161, 200, 129)  
}
```

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(161, 200, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(161, 200, 129) }
```

## Border

The CSS property to change the border of an element to Yxy 50.4706, 0.3325, 0.4269 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(161, 200, 129) }
```

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

```
.border{ border-color:rgb(161, 200, 129) }
```

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

Here you see how a box with a 4 pixel rgb(161, 200, 129) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(161, 200, 129); -webkit-box-  
shadow:4px 4px 4px 4px rgb(161, 200, 129);  
box-shadow:4px 4px 4px 4px rgb(161, 200,  
129) }
```



# Background

The CSS property to change the background color of an element to Yxy 50.4706, 0.3325, 0.4269 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(161, 200, 129) }
```

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

```
.background{ background-color: rgb(161,  
200, 129) }
```

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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