

Converting Colors

Yxy(50.9851, 0.3369, 0.4249)

Have a look what the booklet for
Yxy(50.9851, 0.3369, 0.4249)
contains.

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Color

Yxy(51.0005, 0.3367, 0.4256)

Conversions

Conversions Part 1

Format	Color
Hex	A6C881
RGB	166, 200, 129
RGB Percent	65%, 78%, 51%
CMY	0.3489, 0.2157, 0.4941
CMYK	0.17, 0.00, 0.36, 0.22
HSL	89°, 39%, 65%
HSV	89°, 36%, 78%
XYZ	40.3474, 51.0005, 28.4841
YIQ	181.7400, 2.5270, -29.2890

Conversions

Conversions Part 2

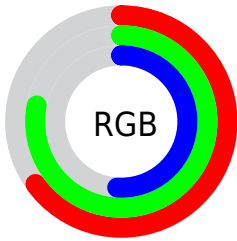
Format	Color
RYB	129, 200, 163
Decimal	10930305
CIELab	76.68, -23.70, 31.88
CIElCh	77, 39.727, 126.632
Yxy	51.0005, 0.3367, 0.4256
Android (android.graphics.Color)	4289120385 (0xFFA6C881)
YUV	181.7400, -26.0008, -13.8040
Hunter-Lab	71.4146, -24.1277, 26.3421

Details

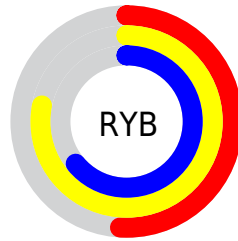
The Yxy color **51.0005, 0.3367, 0.4256** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **27.6515, 0.2799, 0.2319**, and the grayscale version is **46.7772, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.4685, 0.3334, 0.4053**, and **24.6330, 0.3406, 0.4536** is the 20% darker color. If you saturate the color by 10%, you get **49.5259, 0.3420, 0.4552**, and if you desaturate by 10%, it is **52.6606, 0.3304, 0.3964**.

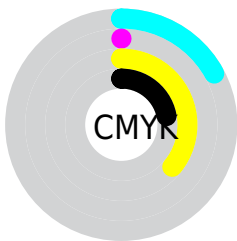
Distribution



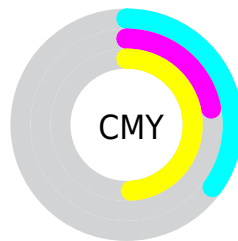
- Red (65%)
- Green (78%)
- Blue (51%)



- Red (51%)
- Yellow (78%)
- Blue (64%)



- Cyan (17%)
- Magenta (0%)
- Yellow (36%)
- Black (22%)




- Cyan (35%)
- Magenta (22%)
- Yellow (49%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 51.0005, 0.3367, 0.4256 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 51.0005, 0.3367, 0.4256 by changing the saturation by 10% instead.


 51.0005, 0.3367,
0.4256

 51.0005, 0.3367,
0.4256


390.5657, 0.3263,
0.3763

 36.2090, 0.3387,
0.4381


 91.6555, 0.3333,
0.4075

 24.5957, 0.3409,
0.4541

 118.2878, 0.3319,
0.4008

 15.7761, 0.3431,
0.4755


 149.6359, 0.3307,
0.3951

 9.3658, 0.3448,
0.5049

186.0840, 0.3296,
0.3902

 4.9806, 0.3440,
0.5475

228.0167, 0.3287,
0.3860

 2.2359, 0.3535,
0.6465

275.8183, 0.3278,

 0.7394, 0.1438,

0.3823

0.8562

329.8731, 0.3270,
0.3791

0.0000, 0.0000,
0.0000

51.0005, 0.3367,
0.4256

51.0005, 0.3367,
0.4256

49.5259, 0.3420,
0.4552

52.6606, 0.3304,
0.3964

48.2223, 0.3460,
0.4840

54.5067, 0.3236,
0.3685

47.0834, 0.3481,
0.5106


56.5478, 0.3166,
0.3425


46.1001, 0.3481,
0.5336


58.7903, 0.3096,
0.3185


45.2615, 0.3459,
0.5517


61.2403, 0.3028,
0.2967


 44.5549, 0.3415,
0.5643

 63.9035, 0.2963,
0.2772

 44.2700, 0.3392,
0.5688

 65.8511, 0.2992,
0.2725

 67.5051, 0.3061,
0.2737

 69.2478, 0.3131,
0.2748

Harmonies

Analogous

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



51.0005, 0.3853, 0.4196



51.0005, 0.3367, 0.4256



51.0005, 0.2841, 0.3983

Triad

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



51.0005, 0.3367, 0.4256



51.0005, 0.2182, 0.2591



51.0005, 0.3869, 0.3069

Complementary

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



51.0005, 0.3367, 0.4256



27.6515, 0.2799, 0.2319

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.



51.0005, 0.3358, 0.2718



51.0005, 0.3367, 0.4256



51.0005, 0.2402, 0.2442

Square

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



51.0005, 0.3367, 0.4256



51.0005, 0.2185, 0.2950



51.0005, 0.2818, 0.2494



51.0005, 0.4171, 0.3485

Rectangle

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



51.0005, 0.3367, 0.4256



51.0005, 0.2538, 0.3654



51.0005, 0.2818, 0.2494



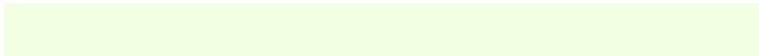
51.0005, 0.3714, 0.2941

Sweetspot

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



51.0027, 0.3367, 0.4256



95.8667, 0.3206, 0.3570



39.7501, 0.3814, 0.3723



20.4168, 0.3215, 0.3606



0.0000, 0.0000, 0.0000



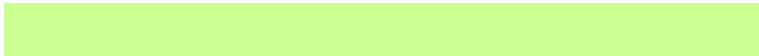
21.4041, 0.3127, 0.3290

Same Dimension

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



51.0027, 0.3367, 0.4256



86.2085, 0.3411, 0.4496



47.7463, 0.3095, 0.4342



12.1554, 0.3193, 0.3523



28.2030, 0.3402, 0.5681



1.3784, 0.3559, 0.5556

Inverse Universe

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



27.6515, 0.2799, 0.2319



39.5566, 0.2701, 0.2076



31.8249, 0.3144, 0.2413



10.5321, 0.3056, 0.3056



4.2740, 0.1991, 0.0870



0.2454, 0.2225, 0.0999

Previews

White Background



This preview shows how the Yxy color 51.0005, 0.3367, 0.4256 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 51.0005, 0.3367, 0.4256 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

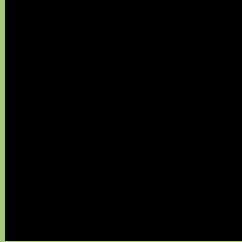
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 51.0005, 0.3367, 0.4256

Background



This preview shows how black text looks on a background with the Yxy color 51.0005, 0.3367, 0.4256.



This preview shows how white text looks on a background with the Yxy color 51.0005, 0.3367, 0.4256.

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

51.0005, 0.3367, 0.4256

Protanopia

50.8296, 0.3784, 0.4091

Deuteranopia

50.7488, 0.3930, 0.3850



Tritanopia

51.0649, 0.2909, 0.3101

Trichromacy



Original Color

51.0005, 0.3367, 0.4256

Protanomaly

50.7227, 0.3626, 0.4150

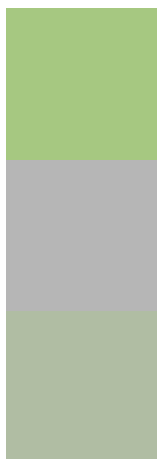
Deuteranomaly

50.4698, 0.3716, 0.3986

Tritanomaly

50.6822, 0.3078, 0.3500

Monochromacy



Original Color

51.0005, 0.3367, 0.4256

Achromatopsia

46.7784, 0.3127, 0.3290

Achromatomaly

48.2696, 0.3219, 0.3638

CSS Examples

Text

The CSS property to change the color of the text to Yxy 51.0005, 0.3367, 0.4256 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(166, 200, 129)` looks like.

```
.text, #text, p{  
    color:rgb(166, 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(166, 200, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 200, 129) }
```

Border

The CSS property to change the border of an element to Yxy 51.0005, 0.3367, 0.4256 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(166, 200, 129) }
```

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

```
.border{ border-color:rgb(166, 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(166, 200, 129) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 200, 129); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 200, 129);  
box-shadow:4px 4px 4px 4px rgb(166, 200,  
129) }
```


Background

The CSS property to change the background color of an element to Yxy 51.0005, 0.3367, 0.4256 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 200, 129) }
```

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

```
.background{ background-color: rgb(166,  
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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