

Converting Colors

$Yxy(51.7920, 0.3440, 0.4282)$

Have a look what the booklet for
Yxy(51.7920, 0.3440, 0.4282)
contains.

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Color

Yxy(51.5856, 0.3438, 0.4280)

Conversions

Conversions Part 1

Format	Color
Hex	ACC87E
RGB	172, 200, 126
RGB Percent	67%, 78%, 49%
CMY	0.3254, 0.2157, 0.5060
CMYK	0.14, 0.00, 0.37, 0.22
HSL	83°, 40%, 64%
HSV	83°, 37%, 78%
XYZ	41.4372, 51.5856, 27.5043
YIQ	183.1920, 7.0660, -28.9500

Conversions

Conversions Part 2

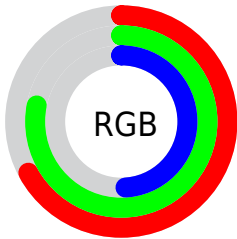
Format	Color
RYB	126, 200, 154
Decimal	11323518
CIELab	77.03, -21.87, 33.97
CIElCh	77, 40.405, 122.774
Yxy	51.5856, 0.3438, 0.4280
Android (android.graphics.Color)	4289513598 (0xFFACC87E)
YUV	183.1920, -28.1957, -9.8154
Hunter-Lab	71.8231, -22.7077, 27.5714

Details

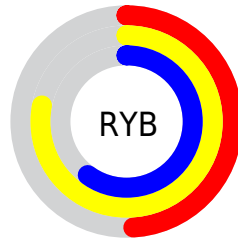
The Yxy color **51.5856, 0.3438, 0.4280** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **25.9517, 0.2709, 0.2254**, and the grayscale version is **47.6225, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.2687, 0.3397, 0.4085**, and **25.0015, 0.3499, 0.4559** is the 20% darker color. If you saturate the color by 10%, you get **50.2911, 0.3507, 0.4561**, and if you desaturate by 10%, it is **53.0365, 0.3359, 0.3997**.

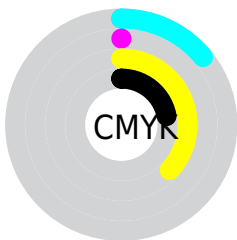
Distribution



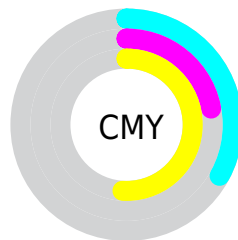
- Red (67%)
- Green (78%)
- Blue (49%)



- Red (49%)
- Yellow (78%)
- Blue (60%)



- Cyan (14%)
- Magenta (0%)
- Yellow (37%)
- Black (22%)




- Cyan (33%)
- Magenta (22%)
- Yellow (51%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 51.5856, 0.3438, 0.4280 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 51.5856, 0.3438, 0.4280 by changing the saturation by 10% instead.


 51.5856, 0.3438,
0.4280


 51.5856, 0.3438,
0.4280


392.8347, 0.3300,
0.3777


 36.6749, 0.3466,
0.4406


 92.5198, 0.3393,
0.4097

 24.9559, 0.3497,
0.4567


 119.3121, 0.3374,
0.4028

 16.0442, 0.3531,
0.4779


 150.8336, 0.3358,
0.3970

 9.5554, 0.3562,
0.5068

187.4689, 0.3343,
0.3920

 5.1052, 0.3574,
0.5478

229.6022, 0.3331,
0.3877

 2.3091, 0.3656,
0.6344

277.6180, 0.3319,

 0.7785, 0.2093,

0.3840

0.7907

331.9007, 0.3309,
0.3807

0.0000, 0.0000,
0.0000

51.5856, 0.3438,
0.4280

51.5856, 0.3438,
0.4280

50.2911, 0.3507,
0.4561

53.0365, 0.3359,
0.3997

49.1392, 0.3560,
0.4830

54.6434, 0.3274,
0.3723

48.1245, 0.3594,
0.5073


56.4146, 0.3188,
0.3462


47.2383, 0.3605,
0.5278


58.3558, 0.3102,
0.3220

46.4709, 0.3592,
0.5435


60.4724, 0.3018,
0.2997


 45.8091, 0.3556,
0.5541

 62.7694, 0.2939,
0.2795

 45.6250, 0.3543,
0.5569

 64.5242, 0.2934,
0.2715

 65.7653, 0.2988,
0.2724

 67.0609, 0.3043,
0.2733

Harmonies

Analogous

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



51.5856, 0.3914, 0.4179



51.5856, 0.3438, 0.4280



51.5856, 0.2902, 0.4046

Triad

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



51.5856, 0.3438, 0.4280



51.5856, 0.2159, 0.2617



51.5856, 0.3821, 0.3015

Complementary

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



51.5856, 0.3438, 0.4280



25.9517, 0.2709, 0.2254

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.



51.5856, 0.3288, 0.2674



51.5856, 0.3438, 0.4280



51.5856, 0.2353, 0.2439

Square

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



51.5856, 0.3438, 0.4280



51.5856, 0.2191, 0.3006



51.5856, 0.2751, 0.2468



51.5856, 0.4162, 0.3431

Rectangle

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



51.5856, 0.3438, 0.4280



51.5856, 0.2584, 0.3729



51.5856, 0.2751, 0.2468



51.5856, 0.3655, 0.2890

Sweetspot

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



51.5879, 0.3438, 0.4280



96.3682, 0.3224, 0.3568



36.6069, 0.3886, 0.3648



20.5364, 0.3236, 0.3604



0.0000, 0.0000, 0.0000



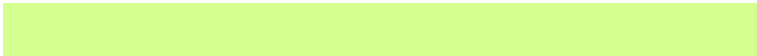
21.4041, 0.3127, 0.3290

Same Dimension

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



51.5879, 0.3438, 0.4280



87.5842, 0.3492, 0.4495



48.0354, 0.3147, 0.4376



12.2091, 0.3208, 0.3522



29.0631, 0.3552, 0.5562



1.4166, 0.3686, 0.5455

Inverse Universe

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



25.9517, 0.2709, 0.2254



37.1435, 0.2599, 0.2015



30.0506, 0.3069, 0.2355



10.4795, 0.3041, 0.3055



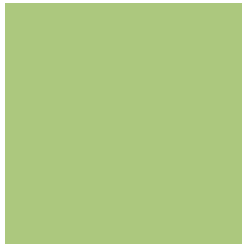
3.6649, 0.1819, 0.0776



0.2149, 0.2062, 0.0909

Previews

White Background



This preview shows how the Yxy color 51.5856, 0.3438, 0.4280 looks on a white background.

Color Contrast Check

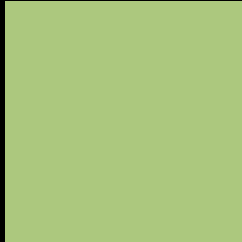
Large Text (above 18pt) WCAG AA × Fail

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 51.5856, 0.3438, 0.4280 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 51.5856, 0.3438, 0.4280

Background



This preview shows how black text looks on a background with the Yxy color 51.5856, 0.3438, 0.4280.

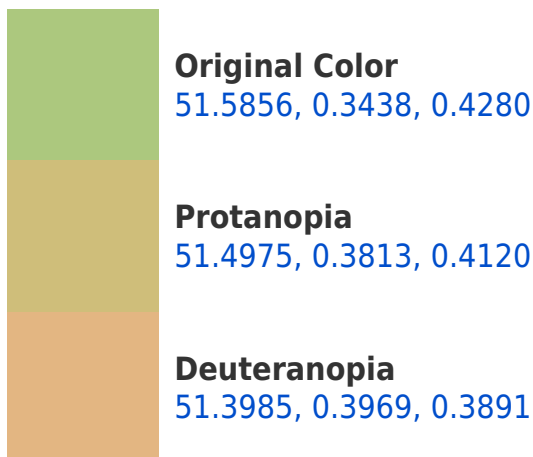


This preview shows how white text looks on a background with the Yxy color 51.5856, 0.3438, 0.4280.

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





Tritanopia

51.3020, 0.2961, 0.3103

Trichromacy



Original Color

51.5856, 0.3438, 0.4280

Protanomaly

51.4830, 0.3671, 0.4189

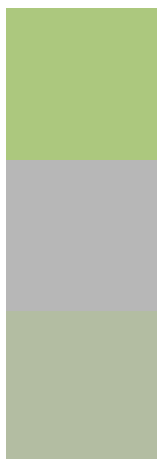
Deuteranomaly

51.2456, 0.3763, 0.4026

Tritanomaly

51.3019, 0.3140, 0.3524

Monochromacy



Original Color

51.5856, 0.3438, 0.4280

Achromatopsia

47.3531, 0.3127, 0.3290

Achromatomaly

48.5875, 0.3252, 0.3648

CSS Examples

Text

The CSS property to change the color of the text to Yxy 51.5856, 0.3438, 0.4280 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(172, 200, 126)` looks like.

```
.text, #text, p{  
    color:rgb(172, 200, 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(172, 200, 126) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 200, 126) }
```

Border

The CSS property to change the border of an element to Yxy 51.5856, 0.3438, 0.4280 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(172, 200, 126) }
```

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

```
.border{ border-color:rgb(172, 200, 126) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 200, 126)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(172, 200, 126); -webkit-box-shadow:4px 4px 4px 4px rgb(172, 200, 126); box-shadow:4px 4px 4px 4px rgb(172, 200, 126) }
```


Background

The CSS property to change the background color of an element to Yxy 51.5856, 0.3438, 0.4280 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 200, 126) }
```

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

```
.background{ background-color: rgb(172,  
200, 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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