

# Converting Colors

Yxy(55.3640, 0.3423, 0.4380)

Have a look what the booklet for  
Yxy(55.3640, 0.3423, 0.4380)  
contains.

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# Color

**Yxy(55.3631, 0.3422, 0.4379)**

# Conversions

## Conversions Part 1

Format	Color
Hex	ACD07D
RGB	172, 208, 125
RGB Percent	67%, 82%, 49%
CMY	0.3256, 0.1843, 0.5099
CMYK	0.17, 0.00, 0.40, 0.18
HSL	86°, 47%, 65%
HSV	86°, 40%, 82%
XYZ	43.2639, 55.3631, 27.8017
YIQ	187.7740, 5.1870, -33.4450

# Conversions

## Conversions Part 2

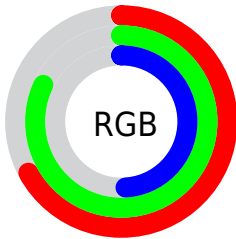
Format	Color
<a href="#">RYB</a>	<a href="#">125, 208, 161</a>
Decimal	<a href="#">11325565</a>
CIELab	<a href="#">79.25, -25.94, 37.34</a>
CIElCh	<a href="#">79, 45.468, 124.786</a>
Yxy	<a href="#">55.3631, 0.3422, 0.4379</a>
Android (android.graphics.Color)	<a href="#">4289515645 (0xFFACD07D)</a>
YUV	<a href="#">187.7740, -30.9476, -13.8338</a>
Hunter-Lab	<a href="#">74.4064, -26.4217, 29.9310</a>

# Details

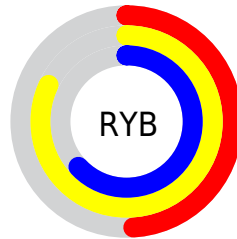
The Yxy color **55.3631, 0.3422, 0.4379** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **26.7985, 0.2710, 0.2173**, and the grayscale version is **50.3279, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.2687, 0.3397, 0.4085**, and **27.1284, 0.3472, 0.4687** is the 20% darker color. If you saturate the color by 10%, you get **53.9013, 0.3477, 0.4667**, and if you desaturate by 10%, it is **57.0106, 0.3355, 0.4088**.

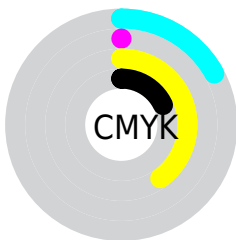
# Distribution



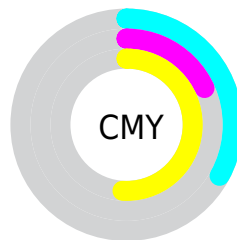
- Red (67%)
- Green (82%)
- Blue (49%)



- Red (49%)
- Yellow (82%)
- Blue (63%)



- Cyan (17%)
- Magenta (0%)
- Yellow (40%)
- Black (18%)




- Cyan (33%)
- Magenta (18%)
- Yellow (51%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 55.3631, 0.3422, 0.4379 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 55.3631, 0.3422, 0.4379 by changing the saturation by 10% instead.





 55.3631, 0.3422,  
0.4379


 55.3631, 0.3422,  
0.4379

407.2868, 0.3297,  
0.3830

 39.6925, 0.3445,  
0.4515


 98.0727, 0.3383,  
0.4180

 27.2989, 0.3469,  
0.4687


 125.8806, 0.3366,  
0.4105

 17.7978, 0.3493,  
0.4912


 158.5030, 0.3351,  
0.4042

 10.8049, 0.3508,  
0.5216

196.3243, 0.3338,  
0.3987

 5.9358, 0.3493,  
0.5638

239.7290, 0.3326,  
0.3940

 2.8061, 0.3515,  
0.6485

289.1013, 0.3316,

 1.0314, 0.2480,

0.3899

0.7520

344.8258, 0.3306,  
0.3863

0.0000, 0.0000,  
0.0000

55.3631, 0.3422,  
0.4379

55.3631, 0.3422,  
0.4379

53.9013, 0.3477,  
0.4667

57.0106, 0.3355,  
0.4088

52.6094, 0.3516,  
0.4940

58.8441, 0.3281,  
0.3806

51.4807, 0.3534,  
0.5184


60.8734, 0.3204,  
0.3537


50.5049, 0.3530,  
0.5386


63.1051, 0.3127,  
0.3288

49.6699, 0.3501,  
0.5536


65.5458, 0.3051,  
0.3060


 48.9548, 0.3455,  
0.5638

 68.2015, 0.2978,  
0.2853

 48.9491, 0.3455,  
0.5639

 70.0325, 0.3008,  
0.2811

 71.6107, 0.3072,  
0.2820

 73.2681, 0.3136,  
0.2829

# Harmonies

## Analogous

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



55.3631, 0.3954, 0.4278



55.3631, 0.3422, 0.4379



55.3631, 0.2838, 0.4099

# Triad

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



55.3631, 0.3422, 0.4379



55.3631, 0.2081, 0.2531



55.3631, 0.3924, 0.3015

# Complementary

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



55.3631, 0.3422, 0.4379



26.7985, 0.2710, 0.2173

# Split Complementary

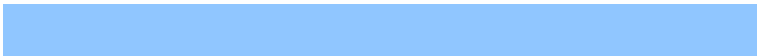
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



55.3631, 0.3342, 0.2641



55.3631, 0.3422, 0.4379



55.3631, 0.2305, 0.2359

# Square

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



55.3631, 0.3422, 0.4379



55.3631, 0.2097, 0.2937



55.3631, 0.2749, 0.2406



55.3631, 0.4279, 0.3467



# Rectangle

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



55.3631, 0.3422, 0.4379



55.3631, 0.2500, 0.3734



55.3631, 0.2749, 0.2406



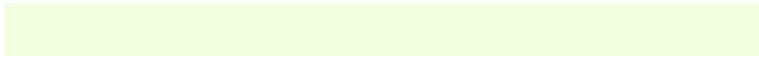
55.3631, 0.3745, 0.2879

# Sweetspot

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



55.3655, 0.3422, 0.4379



95.7502, 0.3221, 0.3596



40.3692, 0.3939, 0.3746



20.4016, 0.3232, 0.3630



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.



55.3655, 0.3422, 0.4379



85.7388, 0.3471, 0.4629



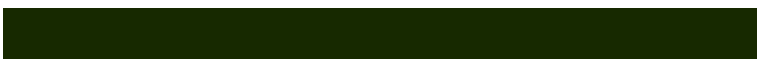
51.3860, 0.3108, 0.4493



13.5315, 0.3200, 0.3524



30.5612, 0.3464, 0.5631



1.7552, 0.3595, 0.5528



# Inverse Universe

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



26.7985, 0.2710, 0.2173



34.2929, 0.2592, 0.1909



31.8413, 0.3117, 0.2297



11.6651, 0.3049, 0.3054



4.2577, 0.1909, 0.0825



0.2846, 0.2118, 0.0940



# Previews

## White Background



This preview shows how the Yxy color 55.3631, 0.3422, 0.4379 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 55.3631, 0.3422, 0.4379 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 55.3631, 0.3422, 0.4379**

## **Background**



This preview shows how black text looks on a background with the Yxy color 55.3631, 0.3422, 0.4379.



This preview shows how white text looks on a background with the Yxy color 55.3631, 0.3422, 0.4379.

# 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

55.3631, 0.3422, 0.4379

### Protanopia

55.1321, 0.3861, 0.4185

### Deuteranopia

54.8145, 0.4015, 0.3926



## Tritanopia

55.3826, 0.2916, 0.3107

# Trichromacy



## Original Color

55.3631, 0.3422, 0.4379

## Protanomaly

54.8558, 0.3697, 0.4250

## Deuteranomaly

54.5858, 0.3789, 0.4091

## Tritanomaly

55.2806, 0.3107, 0.3557

# Monochromacy



## Original Color

55.3631, 0.3422, 0.4379

## Achromatopsia

50.2886, 0.3127, 0.3290

## Achromatomaly

51.6919, 0.3246, 0.3680

# CSS Examples

## Text

The CSS property to change the color of the text to  $Yxy$  55.3631, 0.3422, 0.4379 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, 208, 125)` looks like.

```
.text, #text, p{  
    color:rgb(172, 208, 125)  
}
```

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, 208, 125) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 208, 125) }
```

## Border

The CSS property to change the border of an element to Yxy 55.3631, 0.3422, 0.4379 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, 208, 125) }
```

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

```
.border{ border-color:rgb(172, 208, 125) }
```

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

Here you see how a box with a 4 pixel rgb(172, 208, 125) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 208, 125); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 208, 125);  
box-shadow:4px 4px 4px 4px rgb(172, 208,  
125) }
```



# Background

The CSS property to change the background color of an element to Yxy 55.3631, 0.3422, 0.4379 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 208, 125) }
```

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

```
.background{ background-color: rgb(172,  
208, 125) }
```

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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