

# Converting Colors

Yxy(58.9251, 0.3371, 0.4430)

Have a look what the booklet for  
Yxy(58.9251, 0.3371, 0.4430)  
contains.

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# Color

**Yxy(58.6792, 0.3376, 0.4431)**

# Conversions

## Conversions Part 1

Format	Color
Hex	AAD77F
RGB	170, 215, 127
RGB Percent	67%, 84%, 50%
CMY	0.3333, 0.1568, 0.5020
CMYK	0.21, 0.00, 0.41, 0.16
HSL	91°, 52%, 67%
HSV	91°, 41%, 84%
XYZ	44.7080, 58.6792, 29.0416
YIQ	191.5130, 1.4280, -36.9080

# Conversions

## Conversions Part 2

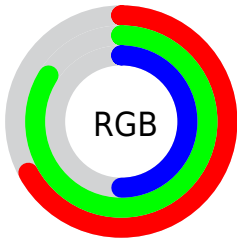
<b>Format</b>	<b>Color</b>
<b>RYB</b>	127, 215, 172
Decimal	11196287
CIELab	81.11, -29.75, 38.70
CIELCh	81, 48.810, 127.548
Yxy	58.6792, 0.3376, 0.4431
Android (android.graphics.Color)	4289386367 (0xFFAAD77F)
YUV	191.5130, -31.8049, -18.8669
Hunter-Lab	76.6023, -29.8749, 31.1435

# Details

The Yxy color **58.6792, 0.3376, 0.4431** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **28.8498, 0.2759, 0.2159**, and the grayscale version is **52.6022, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.1871, 0.3379, 0.4066**, and **29.3764, 0.3408, 0.4750** is the 20% darker color. If you saturate the color by 10%, you get **57.0054, 0.3417, 0.4730**, and if you desaturate by 10%, it is **60.5802, 0.3323, 0.4131**.

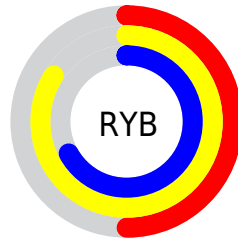
# Distribution



Red (67%)

Green (84%)

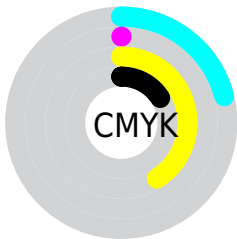
Blue (50%)



Red (50%)

Yellow (84%)

Blue (67%)

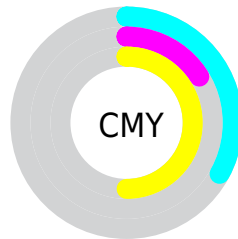


Cyan (21%)

Magenta (0%)

Yellow (41%)

Black (16%)



Cyan (33%)

Magenta (16%)


Yellow (50%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 58.6792, 0.3376, 0.4431 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 58.6792, 0.3376, 0.4431 by changing the saturation by 10% instead.




 58.6792, 0.3376,  
0.4431

 58.6792, 0.3376,  
0.4431


419.7120, 0.3277,  
0.3859


 42.3549, 0.3392,  
0.4572


 102.9113, 0.3346,  
0.4224

 29.3793, 0.3408,  
0.4750


 131.5879, 0.3333,  
0.4146

 19.3680, 0.3419,  
0.4982


 165.1507, 0.3321,  
0.4080

 11.9365, 0.3418,  
0.5293

203.9841, 0.3311,  
0.4023

 6.7004, 0.3382,  
0.5723

248.4726, 0.3301,  
0.3974

 3.2755, 0.3390,  
0.6610

299.0005, 0.3292,

 1.2772, 0.2577,

0.3931

0.7423

355.9522, 0.3284,  
0.3893

■ 0.1234, 0.0000,  
1.0000

■ 0.0000, 0.0000,  
0.0000

■ 58.6792, 0.3376,  
0.4431

■ 58.6792, 0.3376,  
0.4431

■ 57.0054, 0.3417,  
0.4730

■ 60.5802, 0.3323,  
0.4131

■ 55.5409, 0.3442,  
0.5015


■ 62.7101, 0.3263,  
0.3840


■ 54.2772, 0.3447,  
0.5269


■ 65.0802, 0.3199,  
0.3566


■ 53.2016, 0.3430,  
0.5478

■ 67.6989, 0.3133,  
0.3313

 52.2998, 0.3392,  
0.5631

 70.5740, 0.3069,  
0.3082

 51.6117, 0.3344,  
0.5727

 73.6492, 0.3013,  
0.2884

 75.5887, 0.3089,  
0.2894

 77.0837, 0.3145,  
0.2901

# Harmonies

## Analogous

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



58.6792, 0.3947, 0.4350



58.6792, 0.3376, 0.4431



58.6792, 0.2768, 0.4100

# Triad

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



58.6792, 0.3376, 0.4431



58.6792, 0.2044, 0.2465



58.6792, 0.4013, 0.3041

# Complementary

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



58.6792, 0.3376, 0.4431



28.8498, 0.2759, 0.2159

# Split Complementary

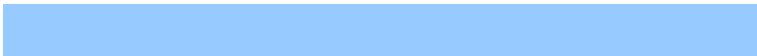
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



58.6792, 0.3412, 0.2641



58.6792, 0.3376, 0.4431



58.6792, 0.2299, 0.2311

# Square

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



58.6792, 0.3376, 0.4431



58.6792, 0.2036, 0.2866



58.6792, 0.2781, 0.2381



58.6792, 0.4356, 0.3515



# Rectangle

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



58.6792, 0.3376, 0.4431



58.6792, 0.2424, 0.3698



58.6792, 0.2781, 0.2381



58.6792, 0.3831, 0.2896

# Sweetspot

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



58.6818, 0.3376, 0.4431



95.3362, 0.3206, 0.3597



45.1032, 0.3939, 0.3827



20.3042, 0.3215, 0.3632



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

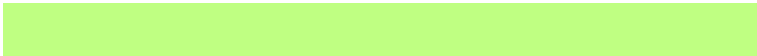


# Same Dimension

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



58.6818, 0.3376, 0.4431



84.2246, 0.3412, 0.4687



54.6462, 0.3068, 0.4546



14.1909, 0.3189, 0.3526



30.9310, 0.3355, 0.5718



1.9148, 0.3488, 0.5613



# Inverse Universe

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



28.8498, 0.2759, 0.2159



34.6590, 0.2657, 0.1908



34.5286, 0.3174, 0.2289



12.3177, 0.3061, 0.3055



4.9777, 0.2051, 0.0903



0.3494, 0.2238, 0.1006



# Previews

## White Background



This preview shows how the Yxy color 58.6792, 0.3376, 0.4431 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 58.6792, 0.3376, 0.4431 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

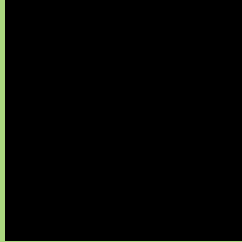
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 58.6792, 0.3376, 0.4431**

## **Background**



This preview shows how black text looks on a background with the Yxy color 58.6792, 0.3376, 0.4431.



This preview shows how white text looks on a background with the Yxy color 58.6792, 0.3376, 0.4431.

# 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

58.6792, 0.3376, 0.4431

### Protanopia

58.3941, 0.3875, 0.4196

### Deuteranopia

58.0660, 0.4026, 0.3943



## Tritanopia

58.5434, 0.2872, 0.3098

# Trichromacy



## Original Color

58.6792, 0.3376, 0.4431



## Protanomaly

58.1544, 0.3685, 0.4280



## Deuteranomaly

57.3673, 0.3779, 0.4113



## Tritanomaly

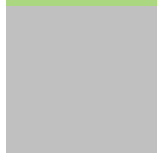
58.2406, 0.3062, 0.3566

# Monochromacy



## Original Color

58.6792, 0.3376, 0.4431



## Achromatopsia

52.7115, 0.3127, 0.3290



## Achromatomaly

54.3261, 0.3234, 0.3700

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 58.6792, 0.3376, 0.4431 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(170, 215, 127)` looks like.

```
.text, #text, p{  
    color:rgb(170, 215, 127)  
}
```

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(170, 215, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 215, 127) }
```

## Border

The CSS property to change the border of an element to Yxy 58.6792, 0.3376, 0.4431 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(170, 215, 127) }
```

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

```
.border{ border-color:rgb(170, 215, 127) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 215, 127)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 215, 127); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 215, 127);  
box-shadow:4px 4px 4px 4px rgb(170, 215,  
127) }
```



# Background

The CSS property to change the background color of an element to Yxy 58.6792, 0.3376, 0.4431 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 215, 127) }
```

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

```
.background{ background-color: rgb(170,  
215, 127) }
```

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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