

# Converting Colors

Yxy(56.8162, 0.3580, 0.4801)

Have a look what the booklet for  
Yxy(56.8162, 0.3580, 0.4801)  
contains.

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# Color

**Yxy(56.9249, 0.3577, 0.4808)**

# Conversions

## Conversions Part 1

Format	Color
Hex	AAD55D
RGB	170, 213, 93
RGB Percent	67%, 84%, 36%
CMY	0.3333, 0.1647, 0.6351
CMYK	0.20, 0.00, 0.56, 0.16
HSL	82°, 59%, 60%
HSV	82°, 56%, 84%
XYZ	42.3503, 56.9249, 19.1210
YIQ	186.4630, 12.8920, -46.4360

# Conversions

## Conversions Part 2

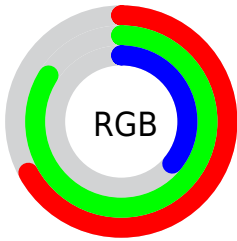
Format	Color
<b>RYB</b>	93, 213, 136
Decimal	11195741
CIELab	80.14, -32.49, 53.76
CIELCh	80, 62.812, 121.150
Yxy	56.9249, 0.3577, 0.4808
Android (android.graphics.Color)	4289385821 (0xFFAAD55D)
YUV	186.4630, -46.0773, -14.4381
Hunter-Lab	75.4486, -31.8405, 37.7881

# Details

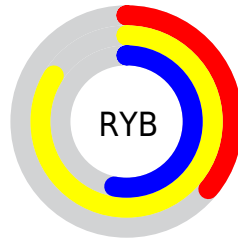
The Yxy color **56.9249, 0.3577, 0.4808** is a light color, and the websafe version is hex **99CC66**. The color can be described as light muted chartreuse. A complement of this color would be **17.8782, 0.2394, 0.1640**, and the grayscale version is **49.6389, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.9575, 0.3568, 0.4414**, and **28.2450, 0.3625, 0.5207** is the 20% darker color. If you saturate the color by 10%, you get **55.7745, 0.3615, 0.5050**, and if you desaturate by 10%, it is **58.2349, 0.3519, 0.4541**.

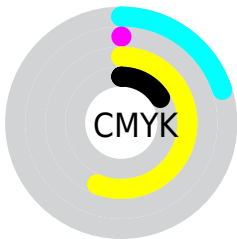
# Distribution



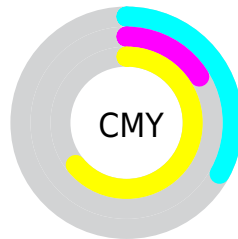
- Red (67%)
- Green (84%)
- Blue (36%)



- Red (36%)
- Yellow (84%)
- Blue (53%)



- Cyan (20%)
- Magenta (0%)
- Yellow (56%)
- Black (16%)




- Cyan (33%)
- Magenta (16%)
- Yellow (64%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 56.9249, 0.3577, 0.4808 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 56.9249, 0.3577, 0.4808 by changing the saturation by 10% instead.





 56.9249, 0.3577,  
0.4808


 56.9249, 0.3577,  
0.4808


413.1678, 0.3402,  
0.4052

 40.9449, 0.3602,  
0.4988

 100.3556, 0.3527,  
0.4538

 28.2761, 0.3622,  
0.5210


 128.5751, 0.3504,  
0.4435

 18.5339, 0.3629,  
0.5489


 161.6433, 0.3483,  
0.4348

 11.3340, 0.3601,  
0.5840

 199.9446, 0.3464,  
0.4272

 6.2919, 0.3576,  
0.6424

243.8632, 0.3446,  
0.4206

 3.0234, 0.3203,  
0.6797

293.7837, 0.3430,

 1.1440, 0.1930,

0.4148

0.8070

350.0905, 0.3416,  
0.4097

■ 0.0152, 0.0000,  
1.0000

■ 0.0000, 0.0000,  
0.0000

■ 56.9249, 0.3577,  
0.4808

■ 56.9249, 0.3577,  
0.4808

■ 55.7745, 0.3615,  
0.5050

■ 58.2349, 0.3519,  
0.4541

■ 54.7663, 0.3630,  
0.5253


■ 59.7056, 0.3446,  
0.4261


■ 53.8916, 0.3620,  
0.5409

■ 61.3476, 0.3363,  
0.3979


■ 53.1362, 0.3587,  
0.5514


■ 63.1681, 0.3274,  
0.3705


 52.8790, 0.3572,  
0.5546

 65.1742, 0.3184,  
0.3445

 67.3721, 0.3095,  
0.3203

 69.7681, 0.3008,  
0.2981

 71.8119, 0.2979,  
0.2859

 73.1107, 0.3032,  
0.2866

# Harmonies

## Analogous

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



56.9249, 0.4276, 0.4540



56.9249, 0.3577, 0.4808



56.9249, 0.2800, 0.4517

# Triad

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



56.9249, 0.3577, 0.4808



56.9249, 0.1748, 0.2310



56.9249, 0.4128, 0.2844

# Complementary

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



56.9249, 0.3577, 0.4808



17.8782, 0.2394, 0.1640

# 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.



56.9249, 0.3302, 0.2390



56.9249, 0.3577, 0.4808



56.9249, 0.1993, 0.2077

# Square

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



56.9249, 0.3577, 0.4808



56.9249, 0.1795, 0.2866



56.9249, 0.2525, 0.2118



56.9249, 0.4667, 0.3406



# Rectangle

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



56.9249, 0.3577, 0.4808



56.9249, 0.2343, 0.4011



56.9249, 0.2525, 0.2118



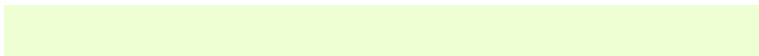
56.9249, 0.3868, 0.2677

# Sweetspot

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



56.9274, 0.3577, 0.4808



94.6872, 0.3282, 0.3728



32.2737, 0.4484, 0.3799



20.1444, 0.3300, 0.3783



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.



56.9274, 0.3577, 0.4808



83.4410, 0.3621, 0.5102



51.7625, 0.3147, 0.5038



14.2870, 0.3212, 0.3524



32.3595, 0.3580, 0.5539



1.9976, 0.3687, 0.5454



# Inverse Universe

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



17.8782, 0.2394, 0.1640



19.1011, 0.2193, 0.1289



24.2439, 0.2996, 0.1890



12.2231, 0.3037, 0.3053



3.9341, 0.1786, 0.0758



0.2831, 0.1982, 0.0865



# Previews

## White Background



This preview shows how the Yxy color 56.9249, 0.3577, 0.4808 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 56.9249, 0.3577, 0.4808 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 56.9249, 0.3577, 0.4808**

## **Background**



This preview shows how black text looks on a background with the Yxy color 56.9249, 0.3577, 0.4808.



This preview shows how white text looks on a background with the Yxy color 56.9249, 0.3577, 0.4808.

# 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

56.9249, 0.3577, 0.4808

### Protanopia

56.3251, 0.4106, 0.4490

### Deuteranopia

56.5484, 0.4305, 0.4211



## Tritanopia

56.7055, 0.2911, 0.3097

# Trichromacy



**Original Color**

56.9249, 0.3577, 0.4808

**Protanomaly**

56.0066, 0.3913, 0.4608

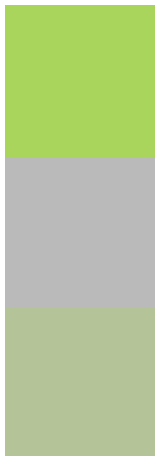
**Deuteranomaly**

56.0029, 0.4032, 0.4431

**Tritanomaly**

56.3062, 0.3175, 0.3725

# Monochromacy



**Original Color**

56.9249, 0.3577, 0.4808

**Achromatopsia**

49.1021, 0.3127, 0.3290

**Achromatomaly**

51.4502, 0.3326, 0.3869

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 56.9249, 0.3577, 0.4808 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, 213, 93)` looks like.

```
.text, #text, p{  
    color:rgb(170, 213, 93)  
}
```

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, 213, 93) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 213, 93) }
```

## Border

The CSS property to change the border of an element to Yxy 56.9249, 0.3577, 0.4808 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, 213, 93) }
```

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

```
.border{ border-color:rgb(170, 213, 93) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 213, 93)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 213, 93); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 213, 93);  
box-shadow:4px 4px 4px 4px rgb(170, 213,  
93) }
```



# Background

The CSS property to change the background color of an element to Yxy 56.9249, 0.3577, 0.4808 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 213, 93) }
```

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

```
.background{ background-color: rgb(170,  
213, 93) }
```

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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