

# Converting Colors

Yxy(56.5189, 0.3234, 0.4249)

Have a look what the booklet for  
Yxy(56.5189, 0.3234, 0.4249)  
contains.

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# Color

**Yxy(56.5575, 0.3231, 0.4253)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	A1D48C
RGB	161, 212, 140
RGB Percent	63%, 83%, 55%
CMY	0.3688, 0.1686, 0.4510
CMYK	0.24, 0.00, 0.34, 0.17
HSL	103°, 46%, 69%
HSV	103°, 34%, 83%
XYZ	42.9667, 56.5575, 33.4584
YIQ	188.5430, -7.2840, -33.2040

# Conversions

## Conversions Part 2

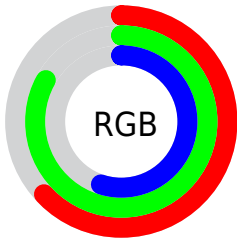
Format	Color
<a href="#">RYB</a>	<a href="#">140, 212, 191</a>
Decimal	<a href="#">10605708</a>
CIELab	<a href="#">79.93, -29.75, 30.43</a>
CIElCh	<a href="#">80, 42.562, 134.352</a>
Yxy	<a href="#">56.5575, 0.3231, 0.4253</a>
Android (android.graphics.Color)	<a href="#">4288795788 (0xFFA1D48C)</a>
YUV	<a href="#">188.5430, -23.9317, -24.1552</a>
Hunter-Lab	<a href="#">75.2047, -29.6259, 26.2653</a>

# Details

The Yxy color **56.5575, 0.3231, 0.4253** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **34.5913, 0.2968, 0.2401**, and the grayscale version is **50.7518, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.1668, 0.3239, 0.3941**, and **28.0234, 0.3240, 0.4529** is the 20% darker color. If you saturate the color by 10%, you get **54.5252, 0.3250, 0.4578**, and if you desaturate by 10%, it is **58.9029, 0.3205, 0.3941**.

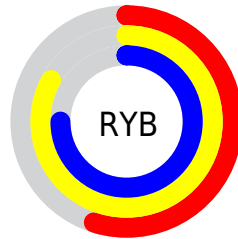
# Distribution



Red (63%)

Green (83%)

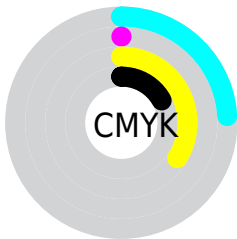
Blue (55%)



Red (55%)

Yellow (83%)

Blue (75%)

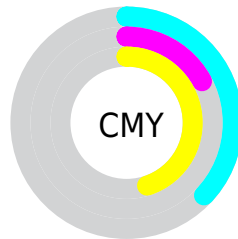


Cyan (24%)

Magenta (0%)

Yellow (34%)

Black (17%)



Cyan (37%)

Magenta (17%)


Yellow (45%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 56.5575, 0.3231, 0.4253 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 56.5575, 0.3231, 0.4253 by changing the saturation by 10% instead.





 56.5575, 0.3231,  
0.4253

 56.5575, 0.3231,  
0.4253


411.7891, 0.3195,  
0.3765


 40.6501, 0.3235,  
0.4375


 99.8192, 0.3222,  
0.4075

 28.0458, 0.3236,  
0.4532


 127.9423, 0.3217,  
0.4008

 18.3602, 0.3233,  
0.4740


 160.9061, 0.3213,  
0.3952

 11.2089, 0.3218,  
0.5027

199.0950, 0.3209,  
0.3904

 6.2075, 0.3174,  
0.5443

242.8933, 0.3205,  
0.3862

 2.9717, 0.3145,  
0.6275

292.6855, 0.3201,

 1.1170, 0.2219,

0.3826

0.7781

348.8560, 0.3198,  
0.3794

0.0000, 0.0000,  
0.0000

56.5575, 0.3231,  
0.4253

56.5575, 0.3231,  
0.4253

54.5252, 0.3250,  
0.4578

58.9029, 0.3205,  
0.3941

52.7852, 0.3258,  
0.4903

61.5668, 0.3174,  
0.3651

51.3251, 0.3254,  
0.5211

64.5635, 0.3141,  
0.3387


50.1290, 0.3235,  
0.5480


67.9044, 0.3107,  
0.3151


49.1788, 0.3201,  
0.5693

71.6003, 0.3073,  
0.2941

 48.4539, 0.3157,  
0.5838

 74.8505, 0.3119,  
0.2867

 48.1093, 0.3128,  
0.5898

 75.5750, 0.3147,  
0.2871

# Harmonies

## Analogous

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



56.5575, 0.3758, 0.4273



56.5575, 0.3231, 0.4253



56.5575, 0.2701, 0.3887

# Triad

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



56.5575, 0.3231, 0.4253



56.5575, 0.2190, 0.2507



56.5575, 0.4003, 0.3167

# Complementary

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



56.5575, 0.3231, 0.4253



34.5913, 0.2968, 0.2401

# 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.



56.5575, 0.3512, 0.2783



56.5575, 0.3231, 0.4253



56.5575, 0.2471, 0.2411

# Square

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



56.5575, 0.3231, 0.4253



56.5575, 0.2132, 0.2822



56.5575, 0.2943, 0.2514



56.5575, 0.4236, 0.3601



# Rectangle

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



56.5575, 0.3231, 0.4253



56.5575, 0.2418, 0.3520



56.5575, 0.2943, 0.2514



56.5575, 0.3861, 0.3030

# Sweetspot

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



56.5599, 0.3231, 0.4253



95.1959, 0.3161, 0.3546



52.8966, 0.3715, 0.3900



20.2404, 0.3166, 0.3584



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

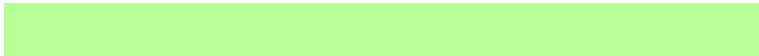


# Same Dimension

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



56.5599, 0.3231, 0.4253



83.5450, 0.3246, 0.4495



55.0159, 0.2991, 0.4091



14.0693, 0.3159, 0.3528



29.7401, 0.3137, 0.5891



1.8360, 0.3269, 0.5787



# Inverse Universe

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



34.5913, 0.2968, 0.2401



45.1162, 0.2921, 0.2198



36.8120, 0.3303, 0.2605



12.4428, 0.3092, 0.3057



7.0092, 0.2488, 0.1144



0.4642, 0.2617, 0.1215



# Previews

## White Background



This preview shows how the Yxy color 56.5575, 0.3231, 0.4253 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 56.5575, 0.3231, 0.4253 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

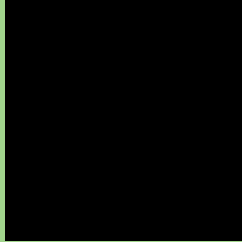
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 56.5575, 0.3231, 0.4253**

## **Background**



This preview shows how black text looks on a background with the Yxy color 56.5575, 0.3231, 0.4253.

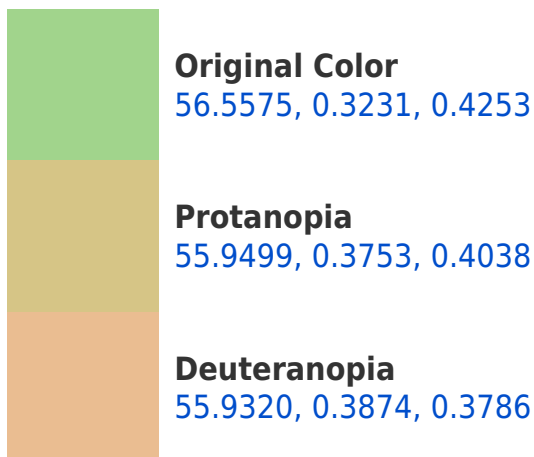


This preview shows how white text looks on a background with the Yxy color 56.5575, 0.3231, 0.4253.

# 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

56.3017, 0.2814, 0.3093

# Trichromacy



**Original Color**

56.5575, 0.3231, 0.4253

**Protanomaly**

55.6207, 0.3556, 0.4114

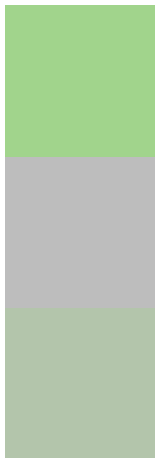
**Deuteranomaly**

55.1811, 0.3623, 0.3947

**Tritanomaly**

56.2953, 0.2963, 0.3495

# Monochromacy



**Original Color**

56.5575, 0.3231, 0.4253

**Achromatopsia**

50.8881, 0.3127, 0.3290

**Achromatomaly**

52.4565, 0.3175, 0.3628

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 56.5575, 0.3231, 0.4253 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(161, 212, 140)` looks like.

```
.text, #text, p{  
    color:rgb(161, 212, 140)  
}
```

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(161, 212, 140) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(161, 212, 140) }
```

## Border

The CSS property to change the border of an element to Yxy 56.5575, 0.3231, 0.4253 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(161, 212, 140) }
```

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

```
.border{ border-color:rgb(161, 212, 140) }
```

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

Here you see how a box with a 4 pixel rgb(161, 212, 140) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(161, 212, 140); -webkit-box-  
shadow:4px 4px 4px 4px rgb(161, 212, 140);  
box-shadow:4px 4px 4px 4px rgb(161, 212,  
140) }
```



# Background

The CSS property to change the background color of an element to Yxy 56.5575, 0.3231, 0.4253 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(161, 212, 140) }
```

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

```
.background{ background-color: rgb(161,  
212, 140) }
```

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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