

# Converting Colors

Yxy(56.7647, 0.3091, 0.4205)

Have a look what the booklet for  
Yxy(56.7647, 0.3091, 0.4205)  
contains.

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# Color

**Yxy(56.4956, 0.3091, 0.4205)**

# Conversions

## Conversions Part 1

Format	Color
Hex	94D693
RGB	148, 214, 147
RGB Percent	58%, 84%, 58%
CMY	0.4196, 0.1608, 0.4234
CMYK	0.31, 0.00, 0.31, 0.16
HSL	119°, 45%, 71%
HSV	119°, 31%, 84%
XYZ	41.5286, 56.4956, 36.3292
YIQ	186.6280, -17.8290, -34.8290

# Conversions

## Conversions Part 2

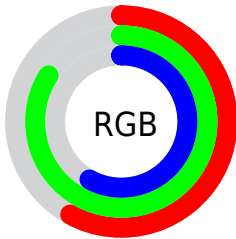
<b>Format</b>	<b>Color</b>
<b>RYB</b>	147, 214, 213
Decimal	9754259
CIELab	79.90, -33.93, 26.62
CIELCh	80, 43.128, 141.886
Yxy	56.4956, 0.3091, 0.4205
Android (android.graphics.Color)	4287944339 (0xFF94D693)
YUV	186.6280, -19.5366, -33.8768
Hunter-Lab	75.1636, -32.9131, 23.9576

# Details

The Yxy color **56.4956, 0.3091, 0.4205** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **39.8786, 0.3154, 0.2515**, and the grayscale version is **49.5965, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.5744, 0.3118, 0.3878**, and **28.0737, 0.3063, 0.4472** is the 20% darker color. If you saturate the color by 10%, you get **54.0967, 0.3076, 0.4555**, and if you desaturate by 10%, it is **59.3824, 0.3104, 0.3878**.

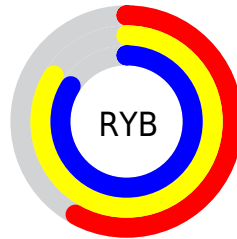
# Distribution



Red (58%)

Green (84%)

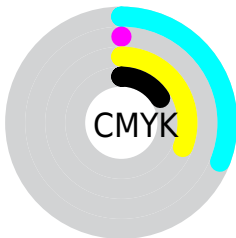
Blue (58%)



Red (58%)

Yellow (84%)

Blue (84%)

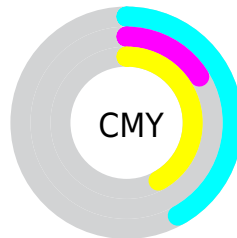


Cyan (31%)

Magenta (0%)

Yellow (31%)

Black (16%)



Cyan (42%)

Magenta (16%)


Yellow (42%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 56.4956, 0.3091, 0.4205 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 56.4956, 0.3091, 0.4205 by changing the saturation by 10% instead.





 56.4956, 0.3091,  
0.4205

 56.4956, 0.3091,  
0.4205


411.5566, 0.3122,  
0.3739

 40.6004, 0.3079,  
0.4323


 99.7288, 0.3105,  
0.4034

 28.0070, 0.3062,  
0.4475


 127.8357, 0.3109,  
0.3971

 18.3309, 0.3035,  
0.4678


160.7818, 0.3113,  
0.3917

 11.1878, 0.2991,  
0.4961

198.9517, 0.3115,  
0.3871

 6.1933, 0.2908,  
0.5380

242.7298, 0.3117,  
0.3832

 2.9630, 0.2768,  
0.6122

292.5003, 0.3119,

 1.1124, 0.1606,

0.3797

0.8394

348.6478, 0.3120,  
0.3766

0.0000, 0.0000,  
0.0000

56.4956, 0.3091,  
0.4205

56.4956, 0.3091,  
0.4205

54.0967, 0.3076,  
0.4555

59.3824, 0.3104,  
0.3878

52.1522, 0.3060,  
0.4913

62.7742, 0.3116,  
0.3582

50.6354, 0.3044,  
0.5256

66.6963, 0.3126,  
0.3321

49.5142, 0.3029,  
0.5556

71.1701, 0.3134,  
0.3094

48.7517, 0.3016,  
0.5787

76.2156, 0.3141,  
0.2898

■ 48.3044, 0.3007,  
0.5933

■ 76.5736, 0.3146,  
0.2891

■ 48.1140, 0.3003,  
0.5998

# Harmonies

## Analogous

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



56.4956, 0.3640, 0.4314



56.4956, 0.3091, 0.4205



56.4956, 0.2578, 0.3762

# Triad

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



56.4956, 0.3091, 0.4205



56.4956, 0.2229, 0.2452



56.4956, 0.4105, 0.3273

# Complementary

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



56.4956, 0.3091, 0.4205



39.8786, 0.3154, 0.2515

# 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.



56.4956, 0.3657, 0.2865



56.4956, 0.3091, 0.4205



56.4956, 0.2567, 0.2408

# Square

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



56.4956, 0.3091, 0.4205



56.4956, 0.2113, 0.2714



56.4956, 0.3081, 0.2559



56.4956, 0.4256, 0.3714



# Rectangle

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



56.4956, 0.3091, 0.4205



56.4956, 0.2323, 0.3376



56.4956, 0.3081, 0.2559



56.4956, 0.3982, 0.3130

# Sweetspot

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



56.4980, 0.3091, 0.4205



94.5699, 0.3118, 0.3522



63.9342, 0.3600, 0.4055



20.0673, 0.3117, 0.3562



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

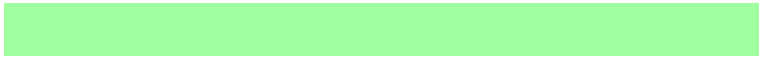


# Same Dimension

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



56.4980, 0.3091, 0.4205



81.4170, 0.3081, 0.4451



57.5697, 0.2884, 0.3751



13.9046, 0.3118, 0.3531



29.0854, 0.3003, 0.5997



1.7574, 0.3014, 0.5989



# Inverse Universe

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



39.8786, 0.3154, 0.2515



52.6981, 0.3160, 0.2345



38.5336, 0.3472, 0.2872



12.6230, 0.3136, 0.3060



11.2960, 0.3173, 0.1521



0.6844, 0.3179, 0.1525



# Previews

## White Background



This preview shows how the Yxy color 56.4956, 0.3091, 0.4205 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 56.4956, 0.3091, 0.4205 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

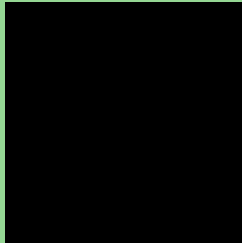
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 56.4956, 0.3091, 0.4205**

## **Background**



This preview shows how black text looks on a background with the Yxy color 56.4956, 0.3091, 0.4205.



This preview shows how white text looks on a background with the Yxy color 56.4956, 0.3091, 0.4205.

# 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

56.4956, 0.3091, 0.4205

### Protanopia

55.9721, 0.3698, 0.3970

### Deuteranopia

55.6511, 0.3790, 0.3712



## Tritanopia

56.5645, 0.2720, 0.3090

# Trichromacy



## Original Color

56.4956, 0.3091, 0.4205



## Protanomaly

55.5139, 0.3452, 0.4051



## Deuteranomaly

55.0077, 0.3515, 0.3884



## Tritanomaly

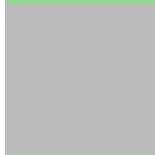
56.1749, 0.2855, 0.3471

# Monochromacy



## Original Color

56.4956, 0.3091, 0.4205



## Achromatopsia

49.6933, 0.3127, 0.3290



## Achromatomaly

51.7953, 0.3120, 0.3619

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 56.4956, 0.3091, 0.4205 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(148, 214, 147)` looks like.

```
.text, #text, p{  
    color:rgb(148, 214, 147)  
}
```

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(148, 214, 147) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(148, 214, 147) }
```

## Border

The CSS property to change the border of an element to Yxy 56.4956, 0.3091, 0.4205 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(148, 214, 147) }
```

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

```
.border{ border-color:rgb(148, 214, 147) }
```

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

Here you see how a box with a 4 pixel `rgb(148, 214, 147)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(148, 214, 147); -webkit-box-  
shadow:4px 4px 4px 4px rgb(148, 214, 147);  
box-shadow:4px 4px 4px 4px rgb(148, 214,  
147) }
```



# Background

The CSS property to change the background color of an element to Yxy 56.4956, 0.3091, 0.4205 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(148, 214, 147) }
```

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

```
.background{ background-color: rgb(148,  
214, 147) }
```

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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