

# Converting Colors

Yxy(57.1034, 0.3322, 0.4060)

Have a look what the booklet for  
Yxy(57.1034, 0.3322, 0.4060)  
contains.

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# Color

**Yxy(56.8654, 0.3317, 0.4050)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	B3D095
RGB	179, 208, 149
RGB Percent	70%, 82%, 58%
CMY	0.2980, 0.1843, 0.4155
CMYK	0.14, 0.00, 0.28, 0.18
HSL	90°, 39%, 70%
HSV	90°, 28%, 82%
XYZ	46.5735, 56.8654, 36.9695
YIQ	192.6030, 1.6550, -24.4970

# Conversions

## Conversions Part 2

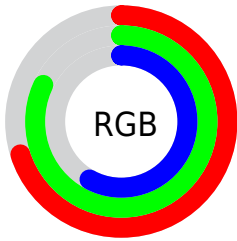
<b>Format</b>	<b>Color</b>
<b>RYB</b>	149, 208, 178
Decimal	11784341
CIELab	80.10, -20.05, 26.17
CIELCh	80, 32.969, 127.462
Yxy	56.8654, 0.3317, 0.4050
Android (android.graphics.Color)	4289974421 (0xFFB3D095)
YUV	192.6030, -21.4963, -11.9298
Hunter-Lab	75.4092, -21.7226, 23.7193

# Details

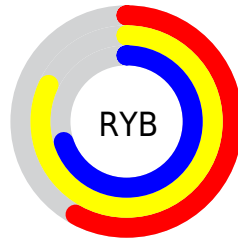
The Yxy color **56.8654, 0.3317, 0.4050** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **35.5299, 0.2884, 0.2530**, and the grayscale version is **53.2139, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.4940, 0.3304, 0.3823**, and **28.4287, 0.3355, 0.4265** is the 20% darker color. If you saturate the color by 10%, you get **55.0874, 0.3375, 0.4346**, and if you desaturate by 10%, it is **58.8574, 0.3252, 0.3765**.

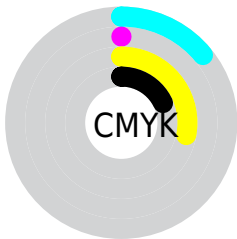
# Distribution



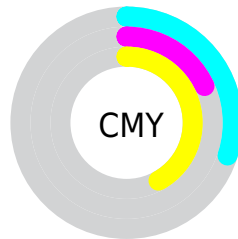
- Red (70%)
- Green (82%)
- Blue (58%)



- Red (58%)
- Yellow (82%)
- Blue (70%)



- Cyan (14%)
- Magenta (0%)
- Yellow (28%)
- Black (18%)




- Cyan (30%)
- Magenta (18%)
- Yellow (42%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 56.8654, 0.3317, 0.4050 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 56.8654, 0.3317, 0.4050 by changing the saturation by 10% instead.




 56.8654, 0.3317,  
0.4050

 56.8654, 0.3317,  
0.4050

412.9448, 0.3233,  
0.3670

 40.8972, 0.3334,  
0.4144


 100.2688, 0.3289,  
0.3912

 28.2388, 0.3354,  
0.4264


 128.4727, 0.3278,  
0.3861

 18.5057, 0.3377,  
0.4422


161.5240, 0.3268,  
0.3817

 11.3137, 0.3401,  
0.4639

199.8071, 0.3260,  
0.3779

 6.2782, 0.3421,  
0.4952

243.7063, 0.3252,  
0.3747

 3.0150, 0.3443,  
0.5479

293.6060, 0.3245,

 1.1396, 0.3348,

0.3718

0.6652

349.8907, 0.3239,  
0.3693

0.0115, 0.0000,  
1.0000

0.0000, 0.0000,  
0.0000

56.8654, 0.3317,  
0.4050

56.8654, 0.3317,  
0.4050

55.0874, 0.3375,  
0.4346

58.8574, 0.3252,  
0.3765

53.5078, 0.3423,  
0.4644


61.0639, 0.3184,  
0.3497


52.1201, 0.3455,  
0.4930

63.4944, 0.3116,  
0.3251


50.9145, 0.3469,  
0.5190


66.1560, 0.3049,  
0.3027

 49.8803, 0.3460,  
0.5409


 69.0552, 0.2985,  
0.2825

 49.0049, 0.3429,  
0.5575

 70.9250, 0.3044,  
0.2816

 48.2706, 0.3380,  
0.5688

 72.7700, 0.3117,  
0.2827

 48.1589, 0.3372,  
0.5705

 73.5929, 0.3149,  
0.2831

# Harmonies

## Analogous

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



56.8654, 0.3708, 0.4025



56.8654, 0.3317, 0.4050



56.8654, 0.2892, 0.3825

# Triad

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



56.8654, 0.3317, 0.4050



56.8654, 0.2358, 0.2723



56.8654, 0.3730, 0.3125

# Complementary

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



56.8654, 0.3317, 0.4050



35.5299, 0.2884, 0.2530

# 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.



56.8654, 0.3328, 0.2830



56.8654, 0.3317, 0.4050



56.8654, 0.2547, 0.2598

# Square

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



56.8654, 0.3317, 0.4050



56.8654, 0.2357, 0.3016



56.8654, 0.2893, 0.2641



56.8654, 0.3964, 0.3470



# Rectangle

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



56.8654, 0.3317, 0.4050



56.8654, 0.2646, 0.3569



56.8654, 0.2893, 0.2641



56.8654, 0.3608, 0.3018

# Sweetspot

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



56.8679, 0.3317, 0.4050



96.5308, 0.3189, 0.3517



47.2380, 0.3648, 0.3645



20.5475, 0.3200, 0.3555



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

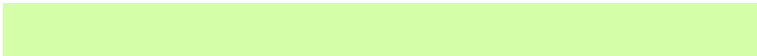


# Same Dimension

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



56.8679, 0.3317, 0.4050



88.4088, 0.3353, 0.4228



53.7698, 0.3096, 0.4104



13.4973, 0.3192, 0.3525



30.0722, 0.3382, 0.5697



1.7286, 0.3521, 0.5586



# Inverse Universe

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



35.5299, 0.2884, 0.2530



49.1763, 0.2819, 0.2352



39.3287, 0.3151, 0.2588



11.6990, 0.3058, 0.3055



4.6671, 0.2014, 0.0883



0.3081, 0.2217, 0.0995



# Previews

## White Background



This preview shows how the Yxy color 56.8654, 0.3317, 0.4050 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 56.8654, 0.3317, 0.4050 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

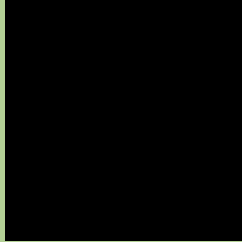
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 56.8654, 0.3317, 0.4050**

## **Background**



This preview shows how black text looks on a background with the Yxy color 56.8654, 0.3317, 0.4050.



This preview shows how white text looks on a background with the Yxy color 56.8654, 0.3317, 0.4050.

# 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

56.8654, 0.3317, 0.4050

### Protanopia

56.5786, 0.3656, 0.3922

### Deuteranopia

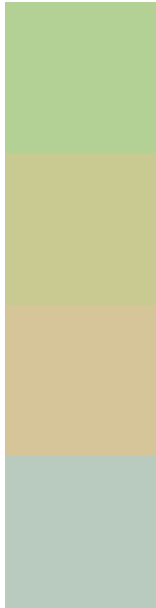
56.4505, 0.3795, 0.3709



## Tritanopia

56.5720, 0.2939, 0.3098

# Trichromacy



## Original Color

56.8654, 0.3317, 0.4050

## Protanomaly

56.7339, 0.3534, 0.3978

## Deuteranomaly

56.3456, 0.3605, 0.3828

## Tritanomaly

56.3169, 0.3075, 0.3427

# Monochromacy



## Original Color

56.8654, 0.3317, 0.4050

## Achromatopsia

53.3276, 0.3127, 0.3290

## Achromatomaly

54.2539, 0.3202, 0.3555

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 56.8654, 0.3317, 0.4050 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(179, 208, 149)` looks like.

```
.text, #text, p{  
    color:rgb(179, 208, 149)  
}
```

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(179, 208, 149) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 208, 149) }
```

## Border

The CSS property to change the border of an element to Yxy 56.8654, 0.3317, 0.4050 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(179, 208, 149) }
```

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

```
.border{ border-color:rgb(179, 208, 149) }
```

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

Here you see how a box with a 4 pixel `rgb(179, 208, 149)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 208, 149); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 208, 149);  
box-shadow:4px 4px 4px 4px rgb(179, 208,  
149) }
```



# Background

The CSS property to change the background color of an element to Yxy 56.8654, 0.3317, 0.4050 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 208, 149) }
```

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

```
.background{ background-color: rgb(179,  
208, 149) }
```

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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