

# Converting Colors

Yxy(56.1286, 0.3337, 0.3725)

Have a look what the booklet for  
Yxy(56.1286, 0.3337, 0.3725)  
contains.

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# Color

**Yxy(56.1286, 0.3337, 0.3725)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C3C9A6
RGB	195, 201, 166
RGB Percent	76%, 79%, 65%
CMY	0.2352, 0.2118, 0.3489
CMYK	0.03, 0.00, 0.17, 0.21
HSL	70°, 24%, 72%
HSV	70°, 17%, 79%
XYZ	50.2822, 56.1286, 44.2700
YIQ	195.2160, 7.6590, -12.1570

# Conversions

## Conversions Part 2

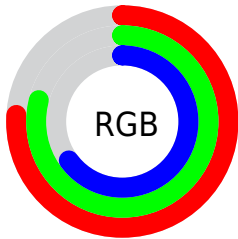
Format	Color
<a href="#">RYB</a>	<a href="#">166, 201, 172</a>
Decimal	<a href="#">12831142</a>
CIELab	<a href="#">79.69, -8.06, 16.81</a>
CIELCh	<a href="#">80, 18.644, 115.610</a>
Yxy	<a href="#">56.1286, 0.3337, 0.3725</a>
Android (android.graphics.Color)	<a href="#">4291021222 (0xFFC3C9A6)</a>
YUV	<a href="#">195.2160, -14.4035, -0.1894</a>
Hunter-Lab	<a href="#">74.9190, -11.3073, 17.4086</a>

# Details

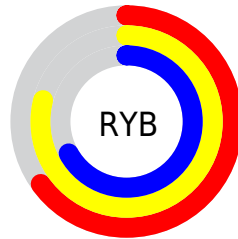
The Yxy color  $56.1286, 0.3337, 0.3725$  is a light color, and the websafe version is hex `CCCC99`. A complement of this color would be  $40.2667, 0.2894, 0.2829$ , and the grayscale version is  $54.7973, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $97.4359, 0.3308, 0.3623$ , and  $27.7451, 0.3388, 0.3844$  is the 20% darker color. If you saturate the color by 10%, you get  $54.9983, 0.3458, 0.3986$ , and if you desaturate by 10%, it is  $57.3896, 0.3216, 0.3471$ .

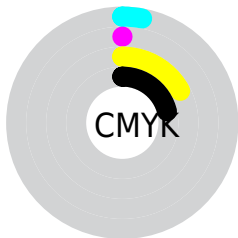
# Distribution



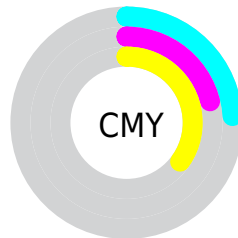
- Red (76%)
- Green (79%)
- Blue (65%)



- Red (65%)
- Yellow (79%)
- Blue (67%)



- Cyan (3%)
- Magenta (0%)
- Yellow (17%)
- Black (21%)




- Cyan (24%)
- Magenta (21%)
- Yellow (35%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 56.1286, 0.3337, 0.3725 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 56.1286, 0.3337, 0.3725 by changing the saturation by 10% instead.




 56.1286, 0.3337,  
0.3725

 56.1286, 0.3337,  
0.3725


410.1760, 0.3237,  
0.3511

 40.3060, 0.3360,  
0.3777


 99.1926, 0.3302,  
0.3648

 27.7772, 0.3389,  
0.3844


 127.2028, 0.3288,  
0.3619

 18.1578, 0.3426,  
0.3931


160.0443, 0.3277,  
0.3594

 11.0633, 0.3475,  
0.4050

198.1016, 0.3267,  
0.3573

 6.1095, 0.3540,  
0.4222

241.7590, 0.3258,  
0.3554

 2.9118, 0.3632,  
0.4491

291.4010, 0.3250,

 1.0858, 0.4310,

0.3538

0.5690

347.4118, 0.3243,  
0.3524

0.0000, 0.0000,  
0.0000

56.1286, 0.3337,  
0.3725

56.1286, 0.3337,  
0.3725

54.9983, 0.3458,  
0.3986

57.3896, 0.3216,  
0.3471

53.9860, 0.3573,  
0.4247

58.7789, 0.3097,  
0.3228

53.0882, 0.3679,  
0.4498


60.3039, 0.2983,  
0.3002


52.2986, 0.3768,  
0.4729


61.9689, 0.2875,  
0.2793

51.6101, 0.3838,  
0.4928


63.0141, 0.2845,  
0.2711

 51.0149, 0.3882,  
0.5088


 63.5297, 0.2869,  
0.2715

 50.5035, 0.3901,  
0.5203

 64.0562, 0.2893,  
0.2719

 50.0632, 0.3896,  
0.5275

 64.5936, 0.2917,  
0.2723

 49.9545, 0.3893,  
0.5291

 65.1421, 0.2941,  
0.2727

# Harmonies

## Analogous

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



56.1286, 0.3529, 0.3675



56.1286, 0.3337, 0.3725



56.1286, 0.3093, 0.3648

# Triad

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



56.1286, 0.3337, 0.3725



56.1286, 0.2663, 0.3028



56.1286, 0.3388, 0.3123

# Complementary

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



56.1286, 0.3337, 0.3725



40.2667, 0.2894, 0.2829

# 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.



56.1286, 0.3146, 0.2966



56.1286, 0.3337, 0.3725



56.1286, 0.2734, 0.2907

# Square

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



56.1286, 0.3337, 0.3725



56.1286, 0.2710, 0.3231



56.1286, 0.2908, 0.2887



56.1286, 0.3562, 0.3324



# Rectangle

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



56.1286, 0.3337, 0.3725



56.1286, 0.2936, 0.3533



56.1286, 0.2908, 0.2887



56.1286, 0.3311, 0.3064

# Sweetspot

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



56.1311, 0.3337, 0.3725



98.7956, 0.3187, 0.3413



44.6192, 0.3446, 0.3365



21.1111, 0.3196, 0.3431



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

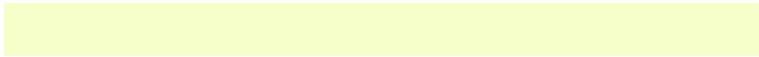


# Same Dimension

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



56.1311, 0.3337, 0.3725



95.3265, 0.3384, 0.3826



53.9523, 0.3197, 0.3745



12.3219, 0.3239, 0.3520



31.4461, 0.3898, 0.5287



1.5138, 0.3963, 0.5235



# Inverse Universe

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



40.2667, 0.2894, 0.2829



62.9912, 0.2835, 0.2714



42.3594, 0.3044, 0.2849



10.3730, 0.3009, 0.3053



2.8962, 0.1581, 0.0645

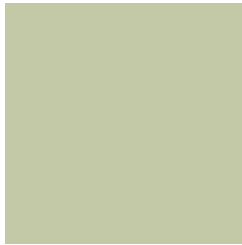


0.1649, 0.1764, 0.0745



# Previews

## White Background



This preview shows how the Yxy color 56.1286, 0.3337, 0.3725 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

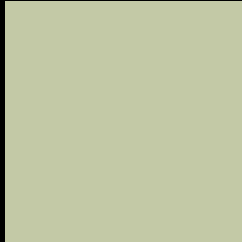
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 56.1286, 0.3337, 0.3725 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

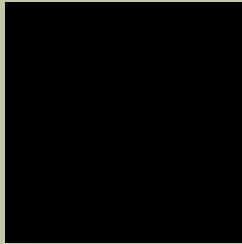
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

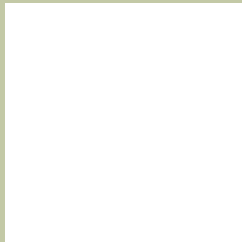
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 56.1286, 0.3337, 0.3725**

## **Background**



This preview shows how black text looks on a background with the Yxy color 56.1286, 0.3337, 0.3725.



This preview shows how white text looks on a background with the Yxy color 56.1286, 0.3337, 0.3725.

# 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

56.1286, 0.3337, 0.3725

### Protanopia

56.0227, 0.3469, 0.3689

### Deuteranopia

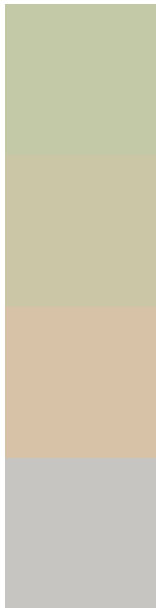
55.9850, 0.3618, 0.3544



## Tritanopia

56.1009, 0.3065, 0.3113

# Trichromacy



## Original Color

56.1286, 0.3337, 0.3725

## Protanomaly

55.8013, 0.3417, 0.3694

## Deuteranomaly

55.8207, 0.3512, 0.3611

## Tritanomaly

55.9697, 0.3165, 0.3326

# Monochromacy



## Original Color

56.1286, 0.3337, 0.3725

## Achromatopsia

54.5724, 0.3127, 0.3290

## Achromatomaly

54.9953, 0.3208, 0.3450

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 56.1286, 0.3337, 0.3725 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(195, 201, 166)` looks like.

```
.text, #text, p{  
    color:rgb(195, 201, 166)  
}
```

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(195, 201, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(195, 201, 166) }
```

## Border

The CSS property to change the border of an element to Yxy 56.1286, 0.3337, 0.3725 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(195, 201, 166) }
```

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

```
.border{ border-color:rgb(195, 201, 166) }
```

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

Here you see how a box with a 4 pixel `rgb(195, 201, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(195, 201, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(195, 201, 166);  
box-shadow:4px 4px 4px 4px rgb(195, 201,  
166) }
```



# Background

The CSS property to change the background color of an element to Yxy 56.1286, 0.3337, 0.3725 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(195, 201, 166) }
```

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

```
.background{ background-color: rgb(195,  
201, 166) }
```

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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