

# Converting Colors

$Yxy(56.5823, 0.3496, 0.3996)$

Have a look what the booklet for  
Yxy(56.5823, 0.3496, 0.3996)  
contains.

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# Color

**Yxy(56.6575, 0.3497, 0.3997)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C5CB92
RGB	197, 203, 146
RGB Percent	77%, 80%, 57%
CMY	0.2275, 0.2039, 0.4274
CMYK	0.03, 0.00, 0.28, 0.20
HSL	66°, 35%, 68%
HSV	66°, 28%, 80%
XYZ	49.5700, 56.6575, 35.5226
YIQ	194.7080, 14.7210, -18.9990

# Conversions

## Conversions Part 2

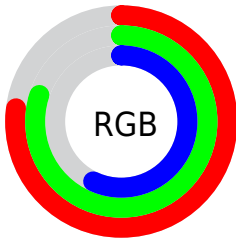
Format	Color
<b>RYB</b>	146, 203, 152
Decimal	12962706
CIELab	79.99, -11.27, 27.81
CIELCh	80, 30.008, 112.056
Yxy	56.6575, 0.3497, 0.3997
Android (android.graphics.Color)	4291152786 (0xFFC5CB92)
YUV	194.7080, -24.0130, 2.0101
Hunter-Lab	75.2712, -14.1730, 24.7092

# Details

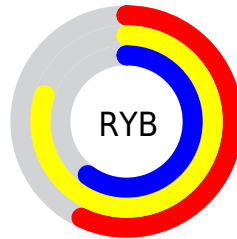
The Yxy color  $56.6575, 0.3497, 0.3997$  is a light color, and the websafe version is hex `CCCC99`. A complement of this color would be  $31.5521, 0.2692, 0.2497$ , and the grayscale version is  $54.5308, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $96.7610, 0.3447, 0.3831$ , and  $28.1608, 0.3587, 0.4185$  is the 20% darker color. If you saturate the color by 10%, you get  $55.7963, 0.3624, 0.4250$ , and if you desaturate by 10%, it is  $57.6401, 0.3365, 0.3740$ .

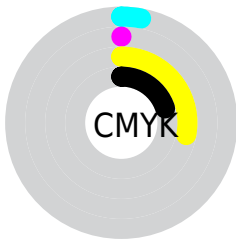
# Distribution



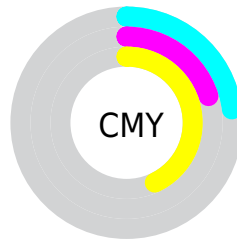
- Red (77%)
- Green (80%)
- Blue (57%)



- Red (57%)
- Yellow (80%)
- Blue (60%)



- Cyan (3%)
- Magenta (0%)
- Yellow (28%)
- Black (20%)




- Cyan (23%)
- Magenta (20%)
- Yellow (43%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 56.6575, 0.3497, 0.3997 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 56.6575, 0.3497, 0.3997 by changing the saturation by 10% instead.





 56.6575, 0.3497,  
0.3997


 56.6575, 0.3497,  
0.3997


412.1647, 0.3324,  
0.3649

 40.7303, 0.3536,  
0.4081


 99.9653, 0.3437,  
0.3872

 28.1084, 0.3584,  
0.4188


 128.1146, 0.3414,  
0.3825

 18.4074, 0.3642,  
0.4326


161.1069, 0.3394,  
0.3785

 11.2429, 0.3715,  
0.4512

199.3264, 0.3376,  
0.3750

 6.2304, 0.3806,  
0.4772

243.1575, 0.3361,  
0.3720

 2.9857, 0.3961,  
0.5226

292.9846, 0.3347,

 1.1243, 0.4083,

0.3693

0.5917

349.1922, 0.3335,  
0.3670

0.0000, 0.0000,  
0.0000

56.6575, 0.3497,  
0.3997

56.6575, 0.3497,  
0.3997

55.7963, 0.3624,  
0.4250

57.6401, 0.3365,  
0.3740

55.0428, 0.3740,  
0.4491

58.7419, 0.3232,  
0.3487

54.3933, 0.3841,  
0.4707


59.9708, 0.3103,  
0.3244

53.8403, 0.3920,  
0.4891

61.3314, 0.2979,  
0.3015


53.3758, 0.3974,  
0.5034


62.8284, 0.2862,  
0.2803


 52.9903, 0.4003,  
0.5133

 63.6129, 0.2830,  
0.2731

 52.6693, 0.4008,  
0.5190

 63.9289, 0.2845,  
0.2733

 52.6106, 0.4008,  
0.5200

 64.2492, 0.2860,  
0.2735

 64.5737, 0.2875,  
0.2738

# Harmonies

## Analogous

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



56.6575, 0.3795, 0.3875



56.6575, 0.3497, 0.3997



56.6575, 0.3111, 0.3906

# Triad

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



56.6575, 0.3497, 0.3997



56.6575, 0.2399, 0.2895



56.6575, 0.3501, 0.2991

# Complementary

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



56.6575, 0.3497, 0.3997



31.5521, 0.2692, 0.2497

# 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.



56.6575, 0.3104, 0.2764



56.6575, 0.3497, 0.3997



56.6575, 0.2486, 0.2696

# Square

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



56.6575, 0.3497, 0.3997



56.6575, 0.2490, 0.3228



56.6575, 0.2736, 0.2656



56.6575, 0.3805, 0.3293



# Rectangle

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



56.6575, 0.3497, 0.3997



56.6575, 0.2858, 0.3727



56.6575, 0.2736, 0.2656



56.6575, 0.3373, 0.2905

# Sweetspot

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



56.6600, 0.3497, 0.3997



98.3493, 0.3233, 0.3488



37.1367, 0.3716, 0.3366



20.9877, 0.3253, 0.3526



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.



56.6600, 0.3497, 0.3997



93.9252, 0.3579, 0.4160



53.2045, 0.3265, 0.4053



13.0343, 0.3250, 0.3520



33.5027, 0.4011, 0.5198



1.7460, 0.4049, 0.5167



# Inverse Universe

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



31.5521, 0.2692, 0.2497



44.7354, 0.2573, 0.2286



34.6027, 0.2945, 0.2552



10.8997, 0.2998, 0.3051



2.8677, 0.1540, 0.0622



0.1676, 0.1659, 0.0687



# Previews

## White Background



This preview shows how the Yxy color 56.6575, 0.3497, 0.3997 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 56.6575, 0.3497, 0.3997 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

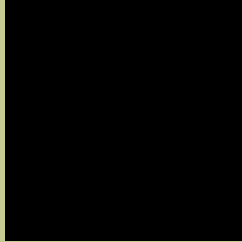
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 56.6575, 0.3497, 0.3997**

## **Background**



This preview shows how black text looks on a background with the Yxy color 56.6575, 0.3497, 0.3997.



This preview shows how white text looks on a background with the Yxy color 56.6575, 0.3497, 0.3997.

# 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

56.6575, 0.3497, 0.3997

### Protanopia

56.5479, 0.3664, 0.3934

### Deuteranopia

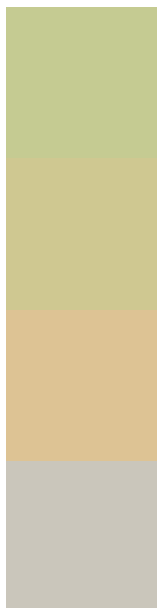
56.4893, 0.3837, 0.3752



## Tritanopia

56.6625, 0.3096, 0.3115

# Trichromacy



## Original Color

56.6575, 0.3497, 0.3997

## Protanomaly

56.6183, 0.3598, 0.3956

## Deuteranomaly

56.5405, 0.3713, 0.3839

## Tritanomaly

56.5326, 0.3241, 0.3423

# Monochromacy



## Original Color

56.6575, 0.3497, 0.3997

## Achromatopsia

54.5724, 0.3127, 0.3290

## Achromatomaly

55.2983, 0.3267, 0.3550

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 56.6575, 0.3497, 0.3997 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(197, 203, 146)` looks like.

```
.text, #text, p{  
    color:rgb(197, 203, 146)  
}
```

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(197, 203, 146) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(197, 203, 146) }
```

## Border

The CSS property to change the border of an element to Yxy 56.6575, 0.3497, 0.3997 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(197, 203, 146) }
```

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

```
.border{ border-color:rgb(197, 203, 146) }
```

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

Here you see how a box with a 4 pixel rgb(197, 203, 146) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(197, 203, 146); -webkit-box-  
shadow:4px 4px 4px 4px rgb(197, 203, 146);  
box-shadow:4px 4px 4px 4px rgb(197, 203,  
146) }
```



# Background

The CSS property to change the background color of an element to Yxy 56.6575, 0.3497, 0.3997 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(197, 203, 146) }
```

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

```
.background{ background-color: rgb(197,  
203, 146) }
```

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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