

# Converting Colors

Yxy(56.4100, 0.3358, 0.3713)

Have a look what the booklet for  
Yxy(56.4100, 0.3358, 0.3713)  
contains.

<b>Yxy(56.5322, 0.3362, 0.3722)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# Color

**Yxy(56.5322, 0.3362, 0.3722)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	C6C9A6
RGB	198, 201, 166
RGB Percent	78%, 79%, 65%
CMY	0.2234, 0.2118, 0.3491
CMYK	0.01, 0.00, 0.17, 0.21
HSL	65°, 24%, 72%
HSV	65°, 17%, 79%
XYZ	51.0643, 56.5322, 44.2901
YIQ	196.1130, 9.4470, -11.5210

# Conversions

## Conversions Part 2

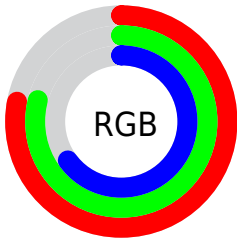
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	166, 201, 169
Decimal	13027750
CIE <sub>Lab</sub>	79.92, -6.96, 17.18
CIE <sub>LCh</sub>	80, 18.540, 112.046
Yxy	56.5322, 0.3362, 0.3722
Android (android.graphics.Color)	4291217830 (0xFFC6C9A6)
YUV	196.1130, -14.8457, 1.6549
Hunter-Lab	75.1879, -10.3495, 17.7062

# Details

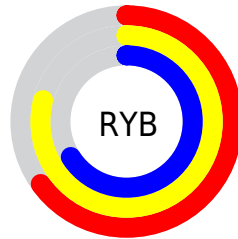
The Yxy color **56.5322, 0.3362, 0.3722** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **39.9140, 0.2869, 0.2825**, and the grayscale version is **55.3634, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.0005, 0.3327, 0.3621**, and **28.0116, 0.3421, 0.3838** is the 20% darker color. If you saturate the color by 10%, you get **55.6242, 0.3498, 0.3977**, and if you desaturate by 10%, it is **57.5631, 0.3226, 0.3471**.

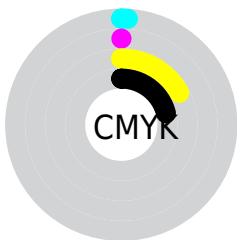
# Distribution



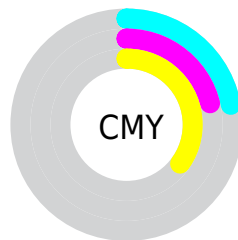
- Red (78%)
- Green (79%)
- Blue (65%)



- Red (65%)
- Yellow (79%)
- Blue (66%)



- Cyan (1%)
- Magenta (0%)
- Yellow (17%)
- Black (21%)




- Cyan (22%)
- Magenta (21%)
- Yellow (35%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 56.5322, 0.3362, 0.3722 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 56.5322, 0.3362, 0.3722 by changing the saturation by 10% instead.




 56.5322, 0.3362,  
0.3722

 56.5322, 0.3362,  
0.3722


411.6941, 0.3250,  
0.3510

 40.6298, 0.3388,  
0.3774


 99.7823, 0.3323,  
0.3646

 28.0299, 0.3421,  
0.3839

 127.8987, 0.3307,  
0.3617

 18.3482, 0.3463,  
0.3924


160.8553, 0.3294,  
0.3593

 11.2003, 0.3518,  
0.4041

199.0364, 0.3283,  
0.3572

 6.2017, 0.3593,  
0.4208

242.8265, 0.3273,  
0.3553

 2.9681, 0.3699,  
0.4467

292.6098, 0.3265,

 1.1151, 0.4394,

0.3537

0.5606

348.7709, 0.3257,  
0.3523

0.0000, 0.0000,  
0.0000

56.5322, 0.3362,  
0.3722

56.5322, 0.3362,  
0.3722

55.6242, 0.3498,  
0.3977

57.5631, 0.3226,  
0.3471

54.8262, 0.3629,  
0.4229

58.7143, 0.3093,  
0.3229

54.1349, 0.3750,  
0.4467

59.9932, 0.2967,  
0.3001

53.5442, 0.3856,  
0.4682

61.4041, 0.2848,  
0.2789

53.0469, 0.3940,  
0.4863

62.1892, 0.2807,  
0.2705

■ 52.6352, 0.4000,  
0.5005

■ 62.4345, 0.2818,  
0.2707

■ 52.2999, 0.4034,  
0.5102

■ 62.6824, 0.2830,  
0.2708

■ 52.0281, 0.4044,  
0.5159

■ 62.9330, 0.2842,  
0.2710

■ 51.9624, 0.4045,  
0.5170

■ 63.1862, 0.2853,  
0.2712

# Harmonies

## Analogous

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



56.5322, 0.3543, 0.3659



56.5322, 0.3362, 0.3722



56.5322, 0.3123, 0.3660

# Triad

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



56.5322, 0.3362, 0.3722



56.5322, 0.2666, 0.3051



56.5322, 0.3360, 0.3103

# Complementary

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



56.5322, 0.3362, 0.3722



39.9140, 0.2869, 0.2825

# 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.



56.5322, 0.3117, 0.2954



56.5322, 0.3362, 0.3722



56.5322, 0.2723, 0.2919

# Square

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



56.5322, 0.3362, 0.3722



56.5322, 0.2727, 0.3258



56.5322, 0.2885, 0.2887



56.5322, 0.3543, 0.3299



# Rectangle

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



56.5322, 0.3362, 0.3722



56.5322, 0.2964, 0.3554



56.5322, 0.2885, 0.2887



56.5322, 0.3282, 0.3046

# Sweetspot

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



56.5347, 0.3362, 0.3722



99.0020, 0.3194, 0.3413



43.5103, 0.3453, 0.3328



21.1614, 0.3204, 0.3430



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.



56.5347, 0.3362, 0.3722



96.1699, 0.3415, 0.3821



54.2963, 0.3220, 0.3742



12.3697, 0.3252, 0.3519



32.6933, 0.4047, 0.5168



1.5618, 0.4080, 0.5143



# Inverse Universe

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



39.9140, 0.2869, 0.2825



62.3218, 0.2803, 0.2709



41.9752, 0.3018, 0.2846



10.3296, 0.2996, 0.3052



2.7432, 0.1531, 0.0617



0.1450, 0.1635, 0.0674



# Previews

## White Background



This preview shows how the Yxy color 56.5322, 0.3362, 0.3722 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

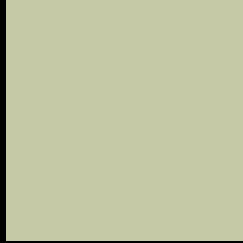
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 56.5322, 0.3362, 0.3722 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

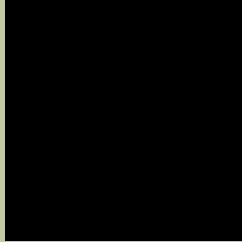
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

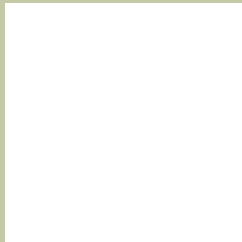
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 56.5322, 0.3362, 0.3722**

## **Background**



This preview shows how black text looks on a background with the Yxy color 56.5322, 0.3362, 0.3722.



This preview shows how white text looks on a background with the Yxy color 56.5322, 0.3362, 0.3722.

# 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

56.5322, 0.3362, 0.3722

### Protanopia

56.6238, 0.3475, 0.3699

### Deuteranopia

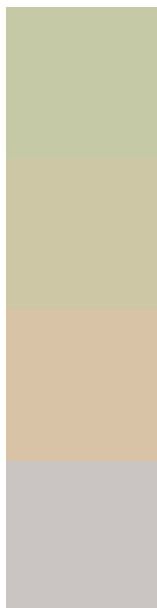
56.5827, 0.3624, 0.3554



## Tritanopia

56.5207, 0.3088, 0.3114

# Trichromacy



## Original Color

56.5322, 0.3362, 0.3722

## Protanomaly

56.5426, 0.3431, 0.3703

## Deuteranomaly

56.5719, 0.3527, 0.3621

## Tritanomaly

56.3841, 0.3189, 0.3326

# Monochromacy



## Original Color

56.5322, 0.3362, 0.3722

## Achromatopsia

55.2011, 0.3127, 0.3290

## Achromatomaly

55.7613, 0.3215, 0.3449

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 56.5322, 0.3362, 0.3722 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(198, 201, 166)` looks like.

```
.text, #text, p{  
    color:rgb(198, 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(198, 201, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 201, 166) }
```

## Border

The CSS property to change the border of an element to Yxy 56.5322, 0.3362, 0.3722 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(198, 201, 166) }
```

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

```
.border{ border-color:rgb(198, 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(198, 201, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(198, 201, 166); -webkit-box-shadow:4px 4px 4px 4px rgb(198, 201, 166); box-shadow:4px 4px 4px 4px rgb(198, 201, 166) }
```



# Background

The CSS property to change the background color of an element to Yxy 56.5322, 0.3362, 0.3722 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 201, 166) }
```

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

```
.background{ background-color: rgb(198,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor