

# Converting Colors

Yxy(55.4392, 0.3426, 0.3809)

Have a look what the booklet for  
Yxy(55.4392, 0.3426, 0.3809)  
contains.

<b>Yxy(55.3212, 0.3426, 0.3799)</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(55.3212, 0.3426, 0.3799)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C6C79E
RGB	198, 199, 158
RGB Percent	78%, 78%, 62%
CMY	0.2235, 0.2196, 0.3803
CMYK	0.00, 0.00, 0.21, 0.22
HSL	61°, 27%, 70%
HSV	61°, 21%, 78%
XYZ	49.8896, 55.3212, 40.4097
YIQ	194.0270, 12.5650, -12.9630

# Conversions

## Conversions Part 2

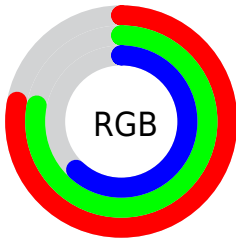
<b>Format</b>	<b>Color</b>
<b>RYB</b>	158, 199, 159
Decimal	13027230
CIELab	79.23, -7.13, 20.46
CIELCh	79, 21.662, 109.208
Yxy	55.3212, 0.3426, 0.3799
Android (android.graphics.Color)	4291217310 (0xFFC6C79E)
YUV	194.0270, -17.7613, 3.4843
Hunter-Lab	74.3782, -10.4321, 19.8525

# Details

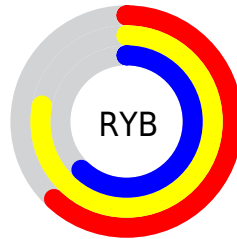
The Yxy color **55.3212, 0.3426, 0.3799** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **35.9595, 0.2795, 0.2728**, and the grayscale version is **54.0711, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.5841, 0.3376, 0.3701**, and **27.2207, 0.3508, 0.3941** is the 20% darker color. If you saturate the color by 10%, you get **54.6284, 0.3572, 0.4049**, and if you desaturate by 10%, it is **56.1301, 0.3279, 0.3548**.

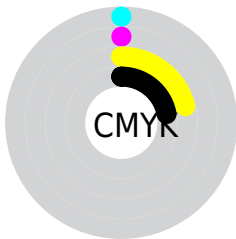
# Distribution



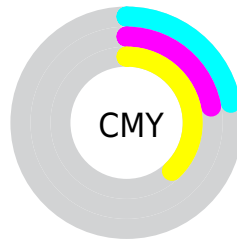
- Red (78%)
- Green (78%)
- Blue (62%)



- Red (62%)
- Yellow (78%)
- Blue (62%)



- Cyan (0%)
- Magenta (0%)
- Yellow (21%)
- Black (22%)



- Cyan (22%)
- Magenta (22%)
- Yellow (38%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 55.3212, 0.3426, 0.3799 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 55.3212, 0.3426, 0.3799 by changing the saturation by 10% instead.





 55.3212, 0.3426,  
0.3799

 55.3212, 0.3426,  
0.3799

407.1283, 0.3283,  
0.3549

 39.6589, 0.3459,  
0.3860

 98.0114, 0.3376,  
0.3709

 27.2727, 0.3501,  
0.3937


 125.8081, 0.3356,  
0.3675

 17.7782, 0.3554,  
0.4038


158.4185, 0.3340,  
0.3646

 10.7908, 0.3623,  
0.4176

196.2269, 0.3326,  
0.3621

 5.9264, 0.3717,  
0.4372

239.6176, 0.3313,  
0.3599

 2.8004, 0.3845,  
0.4674

288.9752, 0.3302,

 1.0284, 0.4366,

0.3580

0.5634

344.6840, 0.3292,  
0.3564

0.0000, 0.0000,  
0.0000

55.3212, 0.3426,  
0.3799

55.3212, 0.3426,  
0.3799

54.6284, 0.3572,  
0.4049

56.1301, 0.3279,  
0.3548

54.0389, 0.3711,  
0.4290

57.0527, 0.3135,  
0.3304

53.5495, 0.3839,  
0.4512

58.0962, 0.2998,  
0.3071

53.1539, 0.3949,  
0.4705

59.2648, 0.2869,  
0.2852

52.8450, 0.4037,  
0.4862

60.3989, 0.2764,  
0.2675

■ 52.6147, 0.4099,  
0.4977

■ 60.4645, 0.2767,  
0.2676

■ 52.4536, 0.4136,  
0.5049

■ 60.5303, 0.2770,  
0.2676

■ 52.3482, 0.4152,  
0.5086

■ 60.5963, 0.2773,  
0.2677

■ 60.6625, 0.2777,  
0.2677

# Harmonies

## Analogous

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



55.3212, 0.3630, 0.3708



55.3212, 0.3426, 0.3799



55.3212, 0.3148, 0.3743

# Triad

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



55.3212, 0.3426, 0.3799



55.3212, 0.2589, 0.3026



55.3212, 0.3375, 0.3051

# Complementary

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



55.3212, 0.3426, 0.3799



35.9595, 0.2795, 0.2728

# 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.



55.3212, 0.3086, 0.2887



55.3212, 0.3426, 0.3799



55.3212, 0.2642, 0.2864

# Square

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



55.3212, 0.3426, 0.3799



55.3212, 0.2671, 0.3276



55.3212, 0.2820, 0.2817



55.3212, 0.3602, 0.3276



# Rectangle

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



55.3212, 0.3426, 0.3799



55.3212, 0.2959, 0.3624



55.3212, 0.2820, 0.2817



55.3212, 0.3281, 0.2987

# Sweetspot

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



55.3237, 0.3426, 0.3799



98.9843, 0.3214, 0.3437



39.3094, 0.3532, 0.3300



21.1641, 0.3223, 0.3454



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

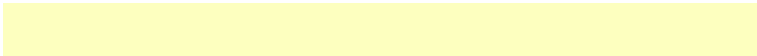


# Same Dimension

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



55.3237, 0.3426, 0.3799



96.2655, 0.3496, 0.3919



52.7602, 0.3258, 0.3827



12.4036, 0.3262, 0.3519



33.6680, 0.4152, 0.5085



1.5984, 0.4161, 0.5078



# Inverse Universe

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



35.9595, 0.2795, 0.2728



55.8980, 0.2705, 0.2577



38.1949, 0.2971, 0.2756



10.2993, 0.2986, 0.3051



2.6766, 0.1509, 0.0605

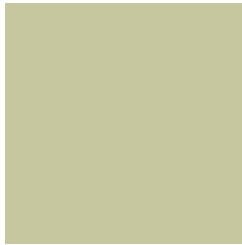


0.1310, 0.1539, 0.0621



# Previews

## White Background



This preview shows how the Yxy color 55.3212, 0.3426, 0.3799 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

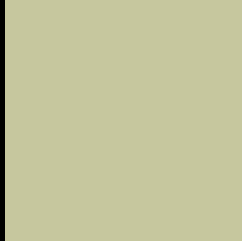
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 55.3212, 0.3426, 0.3799 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

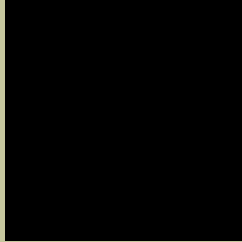
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

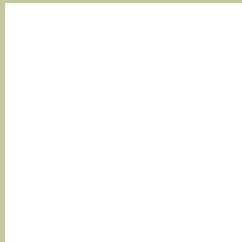
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 55.3212, 0.3426, 0.3799**

## **Background**



This preview shows how black text looks on a background with the Yxy color 55.3212, 0.3426, 0.3799.



This preview shows how white text looks on a background with the Yxy color 55.3212, 0.3426, 0.3799.

# 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

55.3212, 0.3426, 0.3799

### Protanopia

55.3241, 0.3526, 0.3763

### Deuteranopia

54.8354, 0.3691, 0.3614



## Tritanopia

55.1834, 0.3119, 0.3113

# Trichromacy



## Original Color

55.3212, 0.3426, 0.3799

## Protanomaly

55.2042, 0.3489, 0.3780

## Deuteranomaly

54.8014, 0.3591, 0.3683

## Tritanomaly

55.2609, 0.3229, 0.3363

# Monochromacy



## Original Color

55.3212, 0.3426, 0.3799

## Achromatopsia

53.9479, 0.3127, 0.3290

## Achromatomaly

54.4182, 0.3231, 0.3476

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 55.3212, 0.3426, 0.3799 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, 199, 158)` looks like.

```
.text, #text, p{  
    color:rgb(198, 199, 158)  
}
```

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, 199, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 199, 158) }
```

## Border

The CSS property to change the border of an element to Yxy 55.3212, 0.3426, 0.3799 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, 199, 158) }
```

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

```
.border{ border-color:rgb(198, 199, 158) }
```

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

Here you see how a box with a 4 pixel `rgb(198, 199, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 199, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 199, 158);  
box-shadow:4px 4px 4px 4px rgb(198, 199,  
158) }
```



# Background

The CSS property to change the background color of an element to Yxy 55.3212, 0.3426, 0.3799 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 199, 158) }
```

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

```
.background{ background-color: rgb(198,  
199, 158) }
```

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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