

# Converting Colors

$Yxy(44.3327, 0.3232, 0.3599)$

Have a look what the booklet for  
Yxy(44.3327, 0.3232, 0.3599)  
contains.

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# Color

**Yxy(44.3216, 0.3226, 0.3592)**

# Conversions

## Conversions Part 1

Format	Color
Hex	ACB59F
RGB	172, 181, 159
RGB Percent	67%, 71%, 62%
CMY	0.3253, 0.2902, 0.3764
CMYK	0.05, 0.00, 0.12, 0.29
HSL	84°, 13%, 67%
HSV	84°, 12%, 71%
XYZ	39.8055, 44.3216, 39.2626
YIQ	175.8010, 1.6980, -8.7500

# Conversions

## Conversions Part 2

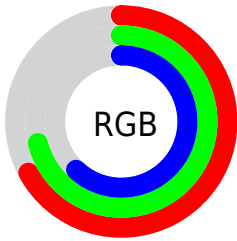
Format	Color
<a href="#">RYB</a>	<a href="#">159, 181, 168</a>
Decimal	<a href="#">11318687</a>
CIELab	<a href="#">72.44, -7.13, 10.13</a>
CIELCh	<a href="#">72, 12.393, 125.142</a>
Yxy	<a href="#">44.3216, 0.3226, 0.3592</a>
Android (android.graphics.Color)	<a href="#">4289508767 (0xFFACB59F)</a>
YUV	<a href="#">175.8010, -8.2829, -3.3335</a>
Hunter-Lab	<a href="#">66.5745, -9.7784, 11.6356</a>

# Details

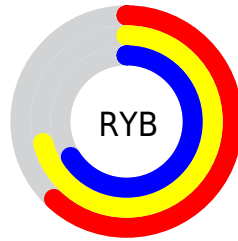
The Yxy color  $44.3216, 0.3226, 0.3592$  is a light color, and the websafe version is hex  $999999$ . A complement of this color would be  $36.4541, 0.3019, 0.2985$ , and the grayscale version is  $43.3560, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $81.7543, 0.3203, 0.3534$ , and  $20.5141, 0.3252, 0.3671$  is the 20% darker color. If you saturate the color by 10%, you get  $42.9310, 0.3307, 0.3860$ , and if you desaturate by 10%, it is  $45.8541, 0.3144, 0.3341$ .

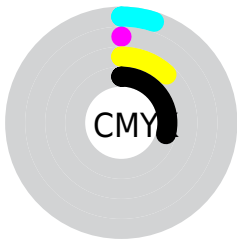
# Distribution



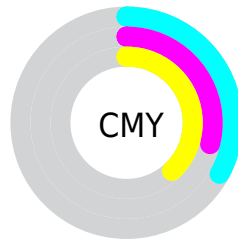
- Red (67%)
- Green (71%)
- Blue (62%)



- Red (62%)
- Yellow (71%)
- Blue (66%)



- Cyan (5%)
- Magenta (0%)
- Yellow (12%)
- Black (29%)




- Cyan (33%)
- Magenta (29%)
- Yellow (38%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 44.3216, 0.3226, 0.3592 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 44.3216, 0.3226, 0.3592 by changing the saturation by 10% instead.





 44.3216, 0.3226,  
0.3592


 44.3216, 0.3226,  
0.3592


364.0190, 0.3177,  
0.3438

 30.9234, 0.3238,  
0.3632


 81.7015, 0.3208,  
0.3535

 20.5405, 0.3253,  
0.3683


 106.4519, 0.3202,  
0.3514

 12.7886, 0.3273,  
0.3753


135.7553, 0.3196,  
0.3496

 7.2831, 0.3300,  
0.3854

169.9959, 0.3191,  
0.3481

 3.6398, 0.3339,  
0.4008

209.5582, 0.3187,  
0.3468

 1.4742, 0.3407,  
0.4290

254.8265, 0.3183,

 0.2704, 0.2346,

0.3457

0.7654

306.1854, 0.3180,  
0.3446

0.0000, 0.0000,  
0.0000

44.3216, 0.3226,  
0.3592

44.3216, 0.3226,  
0.3592

42.9310, 0.3307,  
0.3860

45.8541, 0.3144,  
0.3341

41.6718, 0.3384,  
0.4140

47.5271, 0.3065,  
0.3110

40.5409, 0.3453,  
0.4425

49.3469, 0.2988,  
0.2899

39.5329, 0.3510,  
0.4704

51.3175, 0.2915,  
0.2709

38.6419, 0.3549,  
0.4966

53.4427, 0.2847,  
0.2538

■ 37.8615, 0.3568,  
0.5196

■ 54.8877, 0.2865,  
0.2498

■ 37.1843, 0.3564,  
0.5384

■ 56.0339, 0.2920,  
0.2511

■ 36.6016, 0.3536,  
0.5521

■ 57.2309, 0.2975,  
0.2523

■ 36.1972, 0.3503,  
0.5601

■ 58.4793, 0.3032,  
0.2536

# Harmonies

## Analogous

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



44.3216, 0.3380, 0.3588



44.3216, 0.3226, 0.3592



44.3216, 0.3049, 0.3509

# Triad

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



44.3216, 0.3226, 0.3592



44.3216, 0.2798, 0.3068



44.3216, 0.3362, 0.3214

# Complementary

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



44.3216, 0.3226, 0.3592



36.4541, 0.3019, 0.2985

# 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.



44.3216, 0.3200, 0.3085



44.3216, 0.3226, 0.3592



44.3216, 0.2876, 0.2999

# Square

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



44.3216, 0.3226, 0.3592



44.3216, 0.2805, 0.3199



44.3216, 0.3022, 0.3007



44.3216, 0.3461, 0.3365



# Rectangle

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



44.3216, 0.3226, 0.3592



44.3216, 0.2941, 0.3416



44.3216, 0.3022, 0.3007



44.3216, 0.3312, 0.3167

# Sweetspot

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



44.3235, 0.3226, 0.3592



81.5896, 0.3160, 0.3388



40.2580, 0.3327, 0.3410



17.5892, 0.3166, 0.3406



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290



# Same Dimension

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



44.3235, 0.3226, 0.3592



78.5937, 0.3251, 0.3674



43.1449, 0.3131, 0.3601



9.7311, 0.3203, 0.3519



24.9989, 0.3511, 0.5594



0.8196, 0.3703, 0.5442



# Inverse Universe

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



36.4541, 0.3019, 0.2985



61.2626, 0.2988, 0.2901



37.6947, 0.3120, 0.2994



8.3930, 0.3046, 0.3059



3.3290, 0.1869, 0.0803



0.1392, 0.2205, 0.0988



# Previews

## White Background



This preview shows how the Yxy color 44.3216, 0.3226, 0.3592 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

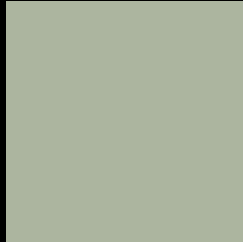
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 44.3216, 0.3226, 0.3592 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

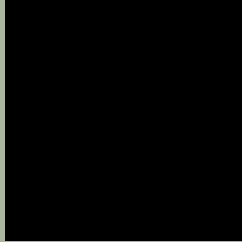
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

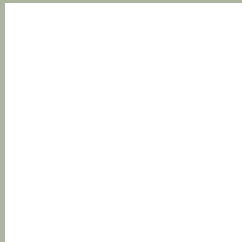
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 44.3216, 0.3226, 0.3592**

## **Background**



This preview shows how black text looks on a background with the Yxy color 44.3216, 0.3226, 0.3592.



This preview shows how white text looks on a background with the Yxy color 44.3216, 0.3226, 0.3592.

# 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

44.3216, 0.3226, 0.3592

### Protanopia

44.1929, 0.3366, 0.3557

### Deuteranopia

44.1165, 0.3493, 0.3418



## Tritanopia

44.1155, 0.3024, 0.3106

# Trichromacy



## Original Color

44.3216, 0.3226, 0.3592

## Protanomaly

44.0127, 0.3310, 0.3561

## Deuteranomaly

44.1452, 0.3390, 0.3488

## Tritanomaly

44.2094, 0.3093, 0.3277

# Monochromacy



## Original Color

44.3216, 0.3226, 0.3592

## Achromatopsia

43.4154, 0.3127, 0.3290

## Achromatomaly

43.8570, 0.3166, 0.3398

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 44.3216, 0.3226, 0.3592 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(172, 181, 159)` looks like.

```
.text, #text, p{  
    color:rgb(172, 181, 159)  
}
```

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(172, 181, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 181, 159) }
```

## Border

The CSS property to change the border of an element to Yxy 44.3216, 0.3226, 0.3592 is called "border". The border property can be set on classes, ids or directly on the HTML element.

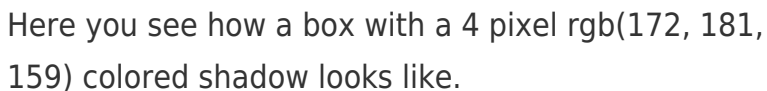
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(172, 181, 159) }
```

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

```
.border{ border-color:rgb(172, 181, 159) }
```

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



Here you see how a box with a 4 pixel `rgb(172, 181, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(172, 181, 159); -webkit-box-shadow:4px 4px 4px 4px rgb(172, 181, 159); box-shadow:4px 4px 4px 4px rgb(172, 181, 159) }
```



# Background

The CSS property to change the background color of an element to Yxy 44.3216, 0.3226, 0.3592 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 181, 159) }
```

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

```
.background{ background-color: rgb(172,  
181, 159) }
```

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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