

# Converting Colors

Yxy(43.7808, 0.3319, 0.3600)

Have a look what the booklet for  
Yxy(43.7808, 0.3319, 0.3600)  
contains.

<b>Yxy(43.7911, 0.3326, 0.3603)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# Color

**Yxy(43.7911, 0.3326, 0.3603)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B3B29B
RGB	179, 178, 155
RGB Percent	70%, 70%, 61%
CMY	0.2981, 0.3019, 0.3922
CMYK	0.00, 0.01, 0.13, 0.30
HSL	58°, 14%, 65%
HSV	58°, 13%, 70%
XYZ	40.4244, 43.7911, 37.3251
YIQ	175.6770, 7.9790, -6.9410

# Conversions

## Conversions Part 2

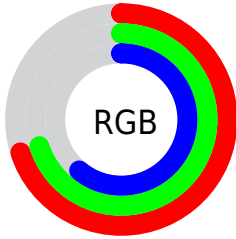
Format	Color
<a href="#">RYB</a>	<a href="#">156, 179, 155</a>
Decimal	<a href="#">11776667</a>
CIELab	<a href="#">72.09, -3.68, 11.90</a>
CIELCh	<a href="#">72, 12.459, 107.167</a>
Yxy	<a href="#">43.7911, 0.3326, 0.3603</a>
Android (android.graphics.Color)	<a href="#">4289966747 (0xFFB3B29B)</a>
YUV	<a href="#">175.6770, -10.1938, 2.9143</a>
Hunter-Lab	<a href="#">66.1748, -6.7652, 12.8806</a>

# Details

The Yxy color **43.7911, 0.3326, 0.3603** is a light color, and the websafe version is hex **999999**. A complement of this color would be **33.9873, 0.2917, 0.2957**, and the grayscale version is **43.2898, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.1113, 0.3293, 0.3553**, and **20.1023, 0.3380, 0.3686** is the 20% darker color. If you saturate the color by 10%, you get **42.9450, 0.3479, 0.3842**, and if you desaturate by 10%, it is **44.7317, 0.3177, 0.3368**.

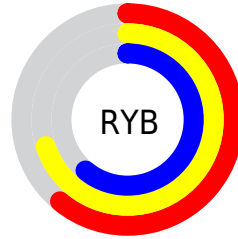
# Distribution



Red (70%)

Green (70%)

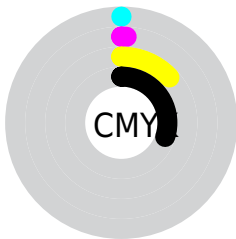
Blue (61%)



Red (61%)

Yellow (70%)

Blue (61%)

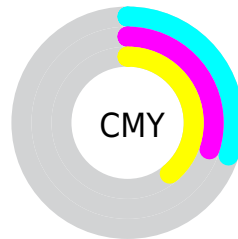


Cyan (0%)

Magenta (1%)

Yellow (13%)

Black (30%)



Cyan (30%)

Magenta (30%)


Yellow (39%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 43.7911, 0.3326, 0.3603 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 43.7911, 0.3326, 0.3603 by changing the saturation by 10% instead.





 43.7911, 0.3326,  
0.3603

 43.7911, 0.3326,  
0.3603

361.8551, 0.3226,  
0.3444

 30.5063, 0.3351,  
0.3644


 80.9033, 0.3290,  
0.3544

 20.2232, 0.3383,  
0.3697


 105.4995, 0.3276,  
0.3523

 12.5574, 0.3426,  
0.3768

134.6350, 0.3265,  
0.3504

 7.1245, 0.3485,  
0.3869

168.6941, 0.3255,  
0.3489

 3.5401, 0.3573,  
0.4023

208.0613, 0.3246,  
0.3475

 1.4198, 0.3756,  
0.4335

253.1209, 0.3239,

 0.2312, 0.3599,

0.3463

0.6401

304.2574, 0.3232,  
0.3453

0.0000, 0.0000,  
0.0000

43.7911, 0.3326,  
0.3603

43.7911, 0.3326,  
0.3603

42.9450, 0.3479,  
0.3842

44.7317, 0.3177,  
0.3368

42.1838, 0.3632,  
0.4079

45.7648, 0.3034,  
0.3143

41.5052, 0.3779,  
0.4305

46.8957, 0.2901,  
0.2930

40.9046, 0.3915,  
0.4510

48.1277, 0.2777,  
0.2733

40.3770, 0.4034,  
0.4685

49.4640, 0.2664,  
0.2551

■ 39.9169, 0.4130,  
0.4824

■ 50.4231, 0.2602,  
0.2455

■ 39.5177, 0.4201,  
0.4920

■ 50.7246, 0.2603,  
0.2464

■ 39.1719, 0.4246,  
0.4974

■ 51.0276, 0.2604,  
0.2472

■ 38.9623, 0.4266,  
0.4995

■ 51.3323, 0.2605,  
0.2481

# Harmonies

## Analogous

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



43.7911, 0.3446, 0.3547



43.7911, 0.3326, 0.3603



43.7911, 0.3155, 0.3571

# Triad

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



43.7911, 0.3326, 0.3603



43.7911, 0.2788, 0.3139



43.7911, 0.3271, 0.3131

# Complementary

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



43.7911, 0.3326, 0.3603



33.9873, 0.2917, 0.2957

# 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.



43.7911, 0.3091, 0.3028



43.7911, 0.3326, 0.3603



43.7911, 0.2817, 0.3029

# Square

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



43.7911, 0.3326, 0.3603



43.7911, 0.2848, 0.3296



43.7911, 0.2926, 0.2991



43.7911, 0.3414, 0.3274



# Rectangle

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



43.7911, 0.3326, 0.3603



43.7911, 0.3036, 0.3503



43.7911, 0.2926, 0.2991



43.7911, 0.3212, 0.3091

# Sweetspot

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



43.7930, 0.3326, 0.3603



80.0072, 0.3186, 0.3383



35.4270, 0.3357, 0.3274



17.6966, 0.3197, 0.3401



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.



43.7930, 0.3326, 0.3603



77.9907, 0.3370, 0.3671



42.9481, 0.3227, 0.3626



9.8459, 0.3264, 0.3506



27.5598, 0.4265, 0.4995



0.8854, 0.4243, 0.5013



# Inverse Universe

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



33.9873, 0.2917, 0.2957



57.0996, 0.2868, 0.2878



34.7761, 0.3017, 0.2952



8.2840, 0.2985, 0.3064



2.4357, 0.1509, 0.0632



0.0950, 0.1546, 0.0764



# Previews

## White Background



This preview shows how the Yxy color 43.7911, 0.3326, 0.3603 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

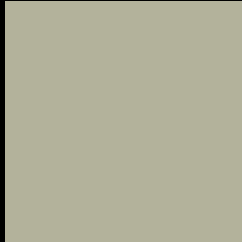
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 43.7911, 0.3326, 0.3603 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

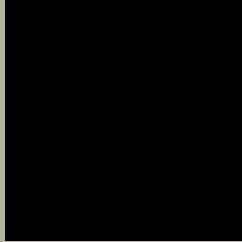
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

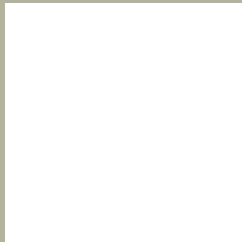
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 43.7911, 0.3326, 0.3603**

## **Background**



This preview shows how black text looks on a background with the Yxy color 43.7911, 0.3326, 0.3603.



This preview shows how white text looks on a background with the Yxy color 43.7911, 0.3326, 0.3603.

# 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

43.7911, 0.3326, 0.3603

### Protanopia

43.6980, 0.3394, 0.3585

### Deuteranopia

43.6013, 0.3532, 0.3457



## Tritanopia

43.5423, 0.3100, 0.3108

# Trichromacy



## Original Color

43.7911, 0.3326, 0.3603

## Protanomaly

43.8447, 0.3373, 0.3600

## Deuteranomaly

43.6249, 0.3458, 0.3513

## Tritanomaly

43.7002, 0.3189, 0.3290

# Monochromacy



## Original Color

43.7911, 0.3326, 0.3603

## Achromatopsia

43.4154, 0.3127, 0.3290

## Achromatomaly

43.6185, 0.3201, 0.3412

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 43.7911, 0.3326, 0.3603 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(179, 178, 155)` looks like.

```
.text, #text, p{  
    color:rgb(179, 178, 155)  
}
```

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(179, 178, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 178, 155) }
```

## Border

The CSS property to change the border of an element to Yxy 43.7911, 0.3326, 0.3603 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(179, 178, 155) }
```

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

```
.border{ border-color:rgb(179, 178, 155) }
```

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

Here you see how a box with a 4 pixel `rgb(179, 178, 155)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 178, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 178, 155);  
box-shadow:4px 4px 4px 4px rgb(179, 178,  
155) }
```



# Background

The CSS property to change the background color of an element to Yxy 43.7911, 0.3326, 0.3603 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 178, 155) }
```

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

```
.background{ background-color: rgb(179,  
178, 155) }
```

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