

# Converting Colors

$Y_{xy}(43.1294, 0.3162, 0.3644)$

Have a look what the booklet for  
Yxy(43.1294, 0.3162, 0.3644)  
contains.

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# Color

**Yxy(43.1294, 0.3162, 0.3644)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A2B59C
RGB	162, 181, 156
RGB Percent	64%, 71%, 61%
CMY	0.3647, 0.2902, 0.3882
CMYK	0.10, 0.00, 0.14, 0.29
HSL	106°, 14%, 66%
HSV	106°, 14%, 71%
XYZ	37.4246, 43.1294, 37.8033
YIQ	172.4690, -3.2990, -11.8030

# Conversions

## Conversions Part 2

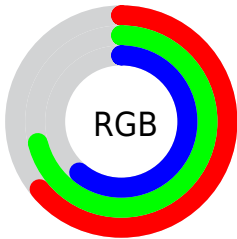
<b>Format</b>	<b>Color</b>
<b>RYB</b>	156, 181, 175
Decimal	10663324
CIELab	71.64, -11.30, 10.54
CIElCh	72, 15.450, 136.984
Yxy	43.1294, 0.3162, 0.3644
Android (android.graphics.Color)	4288853404 (0xFFA2B59C)
YUV	172.4690, -8.1192, -9.1813
Hunter-Lab	65.6730, -13.2072, 11.8420

# Details

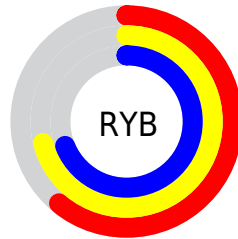
The Yxy color  $43.1294, 0.3162, 0.3644$  is a light color, and the websafe version is hex  $999999$ . A complement of this color would be  $36.2269, 0.3086, 0.2949$ , and the grayscale version is  $41.5490, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $80.0232, 0.3154, 0.3572$ , and  $19.7733, 0.3164, 0.3747$  is the 20% darker color. If you saturate the color by 10%, you get  $41.2003, 0.3185, 0.3933$ , and if you desaturate by 10%, it is  $45.3111, 0.3137, 0.3382$ .

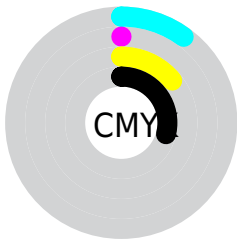
# Distribution



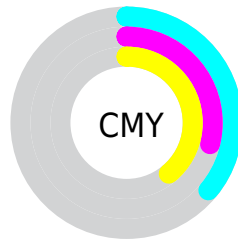
- Red (64%)
- Green (71%)
- Blue (61%)



- Red (61%)
- Yellow (71%)
- Blue (69%)



- Cyan (10%)
- Magenta (0%)
- Yellow (14%)
- Black (29%)



- Cyan (36%)
- Magenta (29%)
- Yellow (39%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 43.1294, 0.3162, 0.3644 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 43.1294, 0.3162, 0.3644 by changing the saturation by 10% instead.





 43.1294, 0.3162,  
0.3644


 43.1294, 0.3162,  
0.3644


359.1437, 0.3146,  
0.3461

 29.9867, 0.3165,  
0.3692


 79.9061, 0.3157,  
0.3576

 19.8285, 0.3169,  
0.3754


 104.3088, 0.3155,  
0.3551

 12.2704, 0.3174,  
0.3840


133.2337, 0.3153,  
0.3530

 6.9281, 0.3179,  
0.3963

167.0651, 0.3151,  
0.3512

 3.4172, 0.3182,  
0.4158

206.1874, 0.3150,  
0.3497

 1.3532, 0.3208,  
0.4551

250.9850, 0.3148,

 0.1819, 0.0000,

0.3483

1.0000

301.8423, 0.3147,  
0.3472

0.0000, 0.0000,  
0.0000

43.1294, 0.3162,  
0.3644

43.1294, 0.3162,  
0.3644

41.2003, 0.3185,  
0.3933

45.3111, 0.3137,  
0.3382

39.5093, 0.3203,  
0.4245

47.7486, 0.3111,  
0.3149

38.0486, 0.3215,  
0.4571

50.4518, 0.3085,  
0.2942

36.8078, 0.3218,  
0.4900

53.4286, 0.3059,  
0.2761

35.7757, 0.3210,  
0.5213

56.6865, 0.3035,  
0.2602

■ 34.9403, 0.3191,  
0.5489

■ 59.5986, 0.3080,  
0.2547

■ 34.2880, 0.3159,  
0.5708

■ 61.5296, 0.3161,  
0.2566

■ 33.8030, 0.3120,  
0.5858

■ 33.5729, 0.3095,  
0.5924

# Harmonies

## Analogous

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



43.1294, 0.3375, 0.3681



43.1294, 0.3162, 0.3644



43.1294, 0.2945, 0.3501

# Triad

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



43.1294, 0.3162, 0.3644



43.1294, 0.2741, 0.2965



43.1294, 0.3484, 0.3267

# Complementary

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



43.1294, 0.3162, 0.3644



36.2269, 0.3086, 0.2949

# 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.



43.1294, 0.3304, 0.3092



43.1294, 0.3162, 0.3644



43.1294, 0.2875, 0.2919

# Square

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



43.1294, 0.3162, 0.3644



43.1294, 0.2707, 0.3101



43.1294, 0.3080, 0.2966



43.1294, 0.3566, 0.3455



# Rectangle

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



43.1294, 0.3162, 0.3644



43.1294, 0.2827, 0.3368



43.1294, 0.3080, 0.2966



43.1294, 0.3433, 0.3205

# Sweetspot

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



43.1313, 0.3162, 0.3644



81.0431, 0.3138, 0.3389



42.7884, 0.3342, 0.3545



17.4502, 0.3140, 0.3407



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.



43.1313, 0.3162, 0.3644



75.9937, 0.3170, 0.3741



42.7349, 0.3062, 0.3558



9.5853, 0.3151, 0.3523



23.1707, 0.3102, 0.5919



0.7563, 0.3310, 0.5754



# Inverse Universe

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



36.2269, 0.3086, 0.2949



60.8909, 0.3074, 0.2860



36.6860, 0.3200, 0.3036



8.5419, 0.3101, 0.3063



6.0318, 0.2617, 0.1215



0.2147, 0.2791, 0.1311



# Previews

## White Background



This preview shows how the Yxy color 43.1294, 0.3162, 0.3644 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 43.1294, 0.3162, 0.3644 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

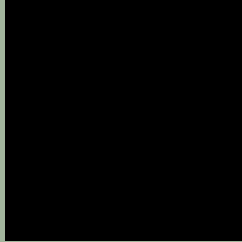
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 43.1294, 0.3162, 0.3644**

## Background



This preview shows how black text looks on a background with the Yxy color 43.1294, 0.3162, 0.3644.



This preview shows how white text looks on a background with the Yxy color 43.1294, 0.3162, 0.3644.

# 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

43.1294, 0.3162, 0.3644

### Protanopia

43.1502, 0.3395, 0.3587

### Deuteranopia

42.8503, 0.3497, 0.3433



## Tritanopia

42.9839, 0.2940, 0.3101

# Trichromacy



## Original Color

43.1294, 0.3162, 0.3644

## Protanomaly

43.0075, 0.3309, 0.3606

## Deuteranomaly

42.6357, 0.3374, 0.3505

## Tritanomaly

43.0545, 0.3016, 0.3290

# Monochromacy



## Original Color

43.1294, 0.3162, 0.3644

## Achromatopsia

41.2543, 0.3127, 0.3290

## Achromatomaly

41.7379, 0.3139, 0.3415

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 43.1294, 0.3162, 0.3644 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(162, 181, 156)` looks like.

```
.text, #text, p{  
    color:rgb(162, 181, 156)  
}
```

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(162, 181, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(162, 181, 156) }
```

## Border

The CSS property to change the border of an element to Yxy 43.1294, 0.3162, 0.3644 is called "border". The border property can be set on classes, ids or directly on the HTML element.

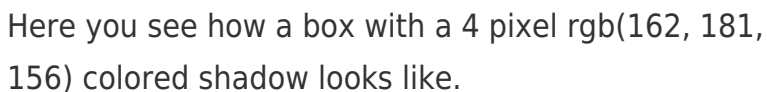
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(162, 181, 156) }
```

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

```
.border{ border-color:rgb(162, 181, 156) }
```

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



Here you see how a box with a 4 pixel `rgb(162, 181, 156)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(162, 181, 156); -webkit-box-shadow:4px 4px 4px 4px rgb(162, 181, 156); box-shadow:4px 4px 4px 4px rgb(162, 181, 156) }
```



# Background

The CSS property to change the background color of an element to Yxy 43.1294, 0.3162, 0.3644 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(162, 181, 156) }
```

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

```
.background{ background-color: rgb(162,  
181, 156) }
```

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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