

# Converting Colors

Yxy(41.7654, 0.3190, 0.3689)

Have a look what the booklet for  
Yxy(41.7654, 0.3190, 0.3689)  
contains.

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# Color

**Yxy(41.9481, 0.3186, 0.3692)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A0B397
RGB	160, 179, 151
RGB Percent	63%, 70%, 59%
CMY	0.3727, 0.2980, 0.4078
CMYK	0.11, 0.00, 0.16, 0.30
HSL	101°, 16%, 65%
HSV	101°, 16%, 70%
XYZ	36.1990, 41.9481, 35.4718
YIQ	170.1270, -2.3360, -12.7360

# Conversions

## Conversions Part 2

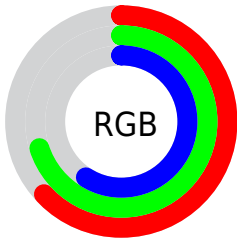
<b>Format</b>	<b>Color</b>
<b>RYB</b>	151, 179, 170
Decimal	10531735
CIELab	70.84, -11.86, 12.10
CIELCh	71, 16.943, 134.430
Yxy	41.9481, 0.3186, 0.3692
Android (android.graphics.Color)	4288721815 (0xFFA0B397)
YUV	170.1270, -9.4296, -8.8814
Hunter-Lab	64.7674, -13.5778, 12.8652

# Details

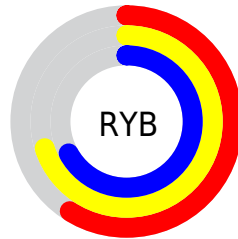
The Yxy color **41.9481, 0.3186, 0.3692** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **33.9448, 0.3058, 0.2900**, and the grayscale version is **40.3125, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.2715, 0.3179, 0.3619**, and **19.0300, 0.3198, 0.3816** is the 20% darker color. If you saturate the color by 10%, you get **40.2179, 0.3221, 0.3981**, and if you desaturate by 10%, it is **43.8931, 0.3149, 0.3428**.

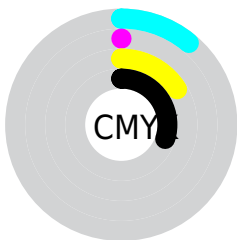
# Distribution



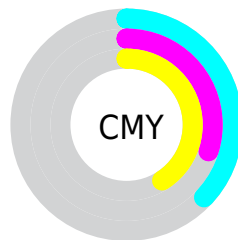
- Red (63%)
- Green (70%)
- Blue (59%)



- Red (59%)
- Yellow (70%)
- Blue (67%)



- Cyan (11%)
- Magenta (0%)
- Yellow (16%)
- Black (30%)




- Cyan (37%)
- Magenta (30%)
- Yellow (41%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 41.9481, 0.3186, 0.3692 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 41.9481, 0.3186, 0.3692 by changing the saturation by 10% instead.





 41.9481, 0.3186,  
0.3692

 41.9481, 0.3186,  
0.3692


354.2677, 0.3158,  
0.3483

 29.0607, 0.3192,  
0.3747


 78.1211, 0.3176,  
0.3614

 19.1267, 0.3200,  
0.3819


 102.1754, 0.3173,  
0.3585

 11.7619, 0.3209,  
0.3918


130.7208, 0.3169,  
0.3561

 6.5817, 0.3220,  
0.4062

164.1416, 0.3167,  
0.3541

 3.2019, 0.3231,  
0.4291

202.8224, 0.3164,  
0.3523

 1.2380, 0.3337,  
0.4857

247.1474, 0.3162,

 0.0925, 0.0000,

0.3508

1.0000

297.5010, 0.3160,  
0.3495

0.0000, 0.0000,  
0.0000

41.9481, 0.3186,  
0.3692

41.9481, 0.3186,  
0.3692

40.2179, 0.3221,  
0.3981

43.8931, 0.3149,  
0.3428

38.6897, 0.3250,  
0.4289

46.0546, 0.3110,  
0.3189

37.3572, 0.3272,  
0.4607

48.4412, 0.3073,  
0.2977

36.2120, 0.3282,  
0.4924

51.0593, 0.3036,  
0.2788

35.2449, 0.3279,  
0.5221

53.9151, 0.3001,  
0.2622

■ 34.4458, 0.3260,  
0.5481

■ 56.7923, 0.2992,  
0.2507

■ 33.8034, 0.3227,  
0.5685

■ 58.9131, 0.3086,  
0.2528

■ 33.3044, 0.3180,  
0.5824

■ 60.7249, 0.3162,  
0.2546

■ 33.1222, 0.3160,  
0.5873

# Harmonies

## Analogous

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



41.9481, 0.3419, 0.3721



41.9481, 0.3186, 0.3692



41.9481, 0.2944, 0.3541

# Triad

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



41.9481, 0.3186, 0.3692



41.9481, 0.2694, 0.2940



41.9481, 0.3509, 0.3246

# Complementary

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



41.9481, 0.3186, 0.3692



33.9448, 0.3058, 0.2900

# 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.



41.9481, 0.3302, 0.3057



41.9481, 0.3186, 0.3692



41.9481, 0.2832, 0.2881

# Square

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



41.9481, 0.3186, 0.3692



41.9481, 0.2666, 0.3096



41.9481, 0.3053, 0.2925



41.9481, 0.3611, 0.3453



# Rectangle

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



41.9481, 0.3186, 0.3692



41.9481, 0.2810, 0.3395



41.9481, 0.3053, 0.2925



41.9481, 0.3449, 0.3179

# Sweetspot

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



41.9499, 0.3186, 0.3692



78.8050, 0.3147, 0.3414



40.4490, 0.3377, 0.3548



17.4026, 0.3149, 0.3431



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.



41.9499, 0.3186, 0.3692



73.9357, 0.3199, 0.3796



41.2149, 0.3071, 0.3631



9.6176, 0.3163, 0.3522



23.4338, 0.3168, 0.5867



0.7695, 0.3401, 0.5682



# Inverse Universe

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



33.9448, 0.3058, 0.2900



56.6761, 0.3039, 0.2803



34.7919, 0.3188, 0.2971



8.5078, 0.3088, 0.3062



5.2469, 0.2426, 0.1110



0.1947, 0.2653, 0.1235



# Previews

## White Background



This preview shows how the Yxy color 41.9481, 0.3186, 0.3692 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 41.9481, 0.3186, 0.3692 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

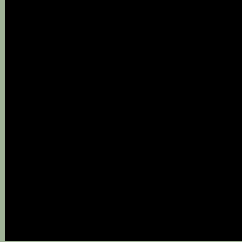
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

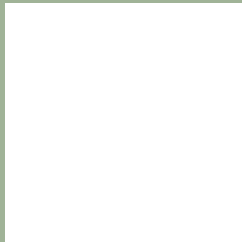
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 41.9481, 0.3186, 0.3692**

## Background



This preview shows how black text looks on a background with the Yxy color 41.9481, 0.3186, 0.3692.



This preview shows how white text looks on a background with the Yxy color 41.9481, 0.3186, 0.3692.

# 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

41.9481, 0.3186, 0.3692

### Protanopia

41.9703, 0.3424, 0.3631

### Deuteranopia

41.8408, 0.3529, 0.3460



## Tritanopia

42.0099, 0.2947, 0.3100

# Trichromacy



## Original Color

41.9481, 0.3186, 0.3692

## Protanomaly

41.8285, 0.3336, 0.3652

## Deuteranomaly

41.6161, 0.3404, 0.3534

## Tritanomaly

42.0383, 0.3031, 0.3304

# Monochromacy



## Original Color

41.9481, 0.3186, 0.3692

## Achromatopsia

40.1978, 0.3127, 0.3290

## Achromatomaly

40.6385, 0.3147, 0.3431

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 41.9481, 0.3186, 0.3692 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(160, 179, 151)` looks like.

```
.text, #text, p{  
    color:rgb(160, 179, 151)  
}
```

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(160, 179, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(160, 179, 151) }
```

## Border

The CSS property to change the border of an element to Yxy 41.9481, 0.3186, 0.3692 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(160, 179, 151) }
```

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

```
.border{ border-color:rgb(160, 179, 151) }
```

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

Here you see how a box with a 4 pixel `rgb(160, 179, 151)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(160, 179, 151); -webkit-box-  
shadow:4px 4px 4px 4px rgb(160, 179, 151);  
box-shadow:4px 4px 4px 4px rgb(160, 179,  
151) }
```



# Background

The CSS property to change the background color of an element to Yxy 41.9481, 0.3186, 0.3692 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(160, 179, 151) }
```

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

```
.background{ background-color: rgb(160,  
179, 151) }
```

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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