

# Converting Colors

$Y_{xy}(41.6801, 0.3095, 0.3710)$

Have a look what the booklet for  
Yxy(41.6801, 0.3095, 0.3710)  
contains.

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# Color

**Yxy(41.7988, 0.3090, 0.3715)**

# Conversions

## Conversions Part 1

Format	Color
Hex	96B598
RGB	150, 181, 152
RGB Percent	59%, 71%, 60%
CMY	0.4119, 0.2902, 0.4039
CMYK	0.17, 0.00, 0.16, 0.29
HSL	124°, 17%, 65%
HSV	124°, 17%, 71%
XYZ	34.7667, 41.7988, 35.9481
YIQ	168.4250, -9.1670, -15.5910

# Conversions

## Conversions Part 2

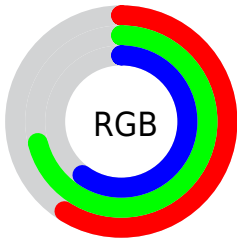
Format	Color
<a href="#">RYB</a>	<a href="#">150, 179, 181</a>
Decimal	<a href="#">9876888</a>
CIELab	<a href="#">70.73, -16.26, 11.31</a>
CIELCh	<a href="#">71, 19.806, 145.184</a>
Yxy	<a href="#">41.7988, 0.3090, 0.3715</a>
Android (android.graphics.Color)	<a href="#">4288066968 (0xFF96B598)</a>
YUV	<a href="#">168.4250, -8.0975, -16.1587</a>
Hunter-Lab	<a href="#">64.6520, -17.1524, 12.2897</a>

# Details

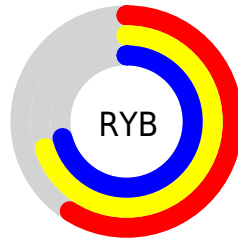
The Yxy color **41.7988, 0.3090, 0.3715** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **34.8833, 0.3166, 0.2899**, and the grayscale version is **39.4210, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.8620, 0.3098, 0.3636**, and **19.0306, 0.3078, 0.3850** is the 20% darker color. If you saturate the color by 10%, you get **39.6990, 0.3067, 0.4005**, and if you desaturate by 10%, it is **44.2464, 0.3112, 0.3456**.

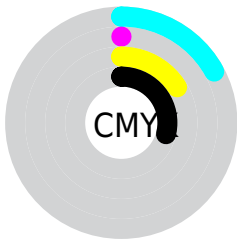
# Distribution



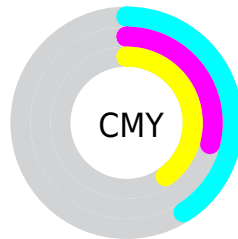
- Red (59%)
- Green (71%)
- Blue (60%)



- Red (59%)
- Yellow (70%)
- Blue (71%)



- Cyan (17%)
- Magenta (0%)
- Yellow (16%)
- Black (29%)




- Cyan (41%)
- Magenta (29%)
- Yellow (40%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 41.7988, 0.3090, 0.3715 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 41.7988, 0.3090, 0.3715 by changing the saturation by 10% instead.





 41.7988, 0.3090,  
0.3715

 41.7988, 0.3090,  
0.3715


353.6482, 0.3112,  
0.3493

 28.9438, 0.3083,  
0.3774


 77.8950, 0.3099,  
0.3632

 19.0383, 0.3074,  
0.3851


 101.9050, 0.3102,  
0.3601

 11.6980, 0.3060,  
0.3958


130.4021, 0.3104,  
0.3576

 6.5384, 0.3038,  
0.4115

163.7708, 0.3106,  
0.3554

 3.1751, 0.2998,  
0.4366

202.3953, 0.3108,  
0.3536

 1.2238, 0.2978,  
0.4977

246.6601, 0.3109,

 0.0810, 0.0000,

0.3520

1.0000

296.9496, 0.3111,  
0.3505

0.0000, 0.0000,  
0.0000

41.7988, 0.3090,  
0.3715

41.7988, 0.3090,  
0.3715

39.6990, 0.3067,  
0.4005

44.2464, 0.3112,  
0.3456

37.9262, 0.3044,  
0.4322

47.0509, 0.3133,  
0.3228

36.4656, 0.3023,  
0.4656

50.2279, 0.3152,  
0.3030

35.2989, 0.3005,  
0.4992

53.7901, 0.3170,  
0.2859

34.4064, 0.2992,  
0.5310

57.7500, 0.3186,  
0.2712

■ 33.7654, 0.2984,  
0.5585

■ 61.4337, 0.3172,  
0.2579

■ 33.3501, 0.2984,  
0.5796

■ 61.5312, 0.3161,  
0.2566

■ 33.1242, 0.2988,  
0.5931

■ 33.0775, 0.2988,  
0.5957

# Harmonies

## Analogous

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



41.7988, 0.3375, 0.3802



41.7988, 0.3090, 0.3715



41.7988, 0.2824, 0.3496

# Triad

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



41.7988, 0.3090, 0.3715



41.7988, 0.2666, 0.2843



41.7988, 0.3636, 0.3324

# Complementary

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



41.7988, 0.3090, 0.3715



34.8833, 0.3166, 0.2899

# 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.



41.7988, 0.3429, 0.3092



41.7988, 0.3090, 0.3715



41.7988, 0.2866, 0.2821

# Square

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



41.7988, 0.3090, 0.3715



41.7988, 0.2587, 0.2984



41.7988, 0.3144, 0.2911



41.7988, 0.3698, 0.3558



# Rectangle

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



41.7988, 0.3090, 0.3715



41.7988, 0.2690, 0.3313



41.7988, 0.3144, 0.2911



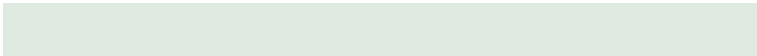
41.7988, 0.3580, 0.3243

# Sweetspot

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



41.8006, 0.3090, 0.3715



80.2176, 0.3117, 0.3406



44.8907, 0.3366, 0.3711



17.2661, 0.3115, 0.3423



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290

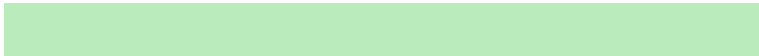


# Same Dimension

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



41.8006, 0.3090, 0.3715



73.1994, 0.3080, 0.3833



42.3247, 0.2975, 0.3491



9.4989, 0.3107, 0.3509



22.8045, 0.2986, 0.5948



0.7205, 0.2927, 0.5737



# Inverse Universe

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



34.8833, 0.3166, 0.2899



58.2219, 0.3176, 0.2801



34.3081, 0.3310, 0.3098



8.6369, 0.3147, 0.3080



8.7536, 0.3379, 0.1635



0.2783, 0.3327, 0.1606



# Previews

## White Background



This preview shows how the Yxy color 41.7988, 0.3090, 0.3715 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

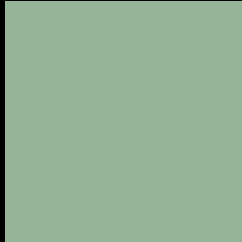
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 41.7988, 0.3090, 0.3715 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

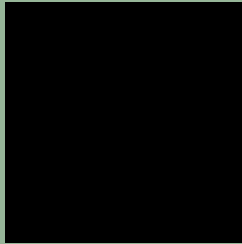
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

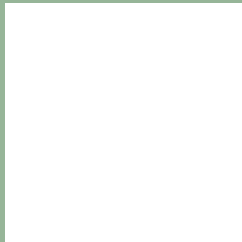
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 41.7988, 0.3090, 0.3715**

## **Background**



This preview shows how black text looks on a background with the Yxy color 41.7988, 0.3090, 0.3715.



This preview shows how white text looks on a background with the Yxy color 41.7988, 0.3090, 0.3715.

# 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

41.7988, 0.3090, 0.3715

### Protanopia

41.4669, 0.3417, 0.3619

### Deuteranopia

41.3748, 0.3513, 0.3435



## Tritanopia

41.8363, 0.2851, 0.3096

# Trichromacy



**Original Color**

41.7988, 0.3090, 0.3715

**Protanomaly**

41.3759, 0.3299, 0.3656

**Deuteranomaly**

41.0426, 0.3347, 0.3524

**Tritanomaly**

41.8454, 0.2940, 0.3318

# Monochromacy



**Original Color**

41.7988, 0.3090, 0.3715

**Achromatopsia**

39.1572, 0.3127, 0.3290

**Achromatomaly**

40.0728, 0.3111, 0.3447

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 41.7988, 0.3090, 0.3715 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(150, 181, 152)` looks like.

```
.text, #text, p{  
    color:rgb(150, 181, 152)  
}
```

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(150, 181, 152) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 181, 152) }
```

## Border

The CSS property to change the border of an element to Yxy 41.7988, 0.3090, 0.3715 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(150, 181, 152) }
```

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

```
.border{ border-color:rgb(150, 181, 152) }
```

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

Here you see how a box with a 4 pixel `rgb(150, 181, 152)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 181, 152); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 181, 152);  
box-shadow:4px 4px 4px 4px rgb(150, 181,  
152) }
```



# Background

The CSS property to change the background color of an element to Yxy 41.7988, 0.3090, 0.3715 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 181, 152) }
```

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

```
.background{ background-color: rgb(150,  
181, 152) }
```

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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