

# Converting Colors

$Y_{xy}(41.3213, 0.3090, 0.3084)$

Have a look what the booklet for  
Yxy(41.3213, 0.3090, 0.3084)  
contains.

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# Color

**Yxy(41.4203, 0.3092, 0.3091)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B3A9B8
RGB	179, 169, 184
RGB Percent	70%, 66%, 72%
CMY	0.2979, 0.3373, 0.2785
CMYK	0.03, 0.08, 0.00, 0.28
HSL	280°, 10%, 69%
HSV	280°, 8%, 72%
XYZ	41.4337, 41.4203, 51.1489
YIQ	173.7000, 1.1450, 6.7850

# Conversions

## Conversions Part 2

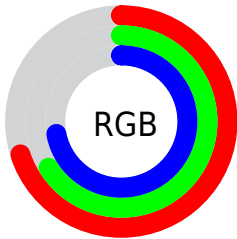
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	179, 169, 184
Decimal	11774392
CIE <sub>Lab</sub>	70.47, 6.41, -6.39
CIE <sub>LCh</sub>	70, 9.047, 315.079
Yxy	41.4203, 0.3092, 0.3091
Android (android.graphics.Color)	4289964472 (0xFFB3A9B8)
YUV	173.7000, 5.0779, 4.6481
Hunter-Lab	64.3586, 2.2897, -2.0696

# Details

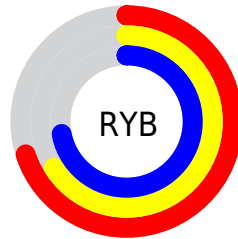
The Yxy color  $41.4203, 0.3092, 0.3091$  is a light color, and the websafe version is hex  $999999$ . A complement of this color would be  $46.1315, 0.3160, 0.3492$ , and the grayscale version is  $42.1409, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $77.2647, 0.3100, 0.3125$ , and  $18.7969, 0.3077, 0.3034$  is the 20% darker color. If you saturate the color by 10%, you get  $34.3428, 0.3041, 0.2833$ , and if you desaturate by 10%, it is  $49.4966, 0.3134, 0.3334$ .

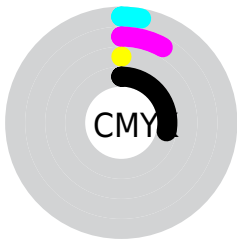
# Distribution



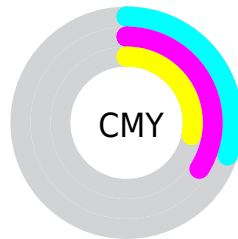
- Red (70%)
- Green (66%)
- Blue (72%)



- Red (70%)
- Yellow (66%)
- Blue (72%)



- Cyan (3%)
- Magenta (8%)
- Yellow (0%)
- Black (28%)




- Cyan (30%)
- Magenta (34%)
- Yellow (28%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 41.4203, 0.3092, 0.3091 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 41.4203, 0.3092, 0.3091 by changing the saturation by 10% instead.




 41.4203, 0.3092,  
0.3091


 41.4203, 0.3092,  
0.3091


352.0742, 0.3110,  
0.3191

 28.6476, 0.3087,  
0.3066


 77.3215, 0.3099,  
0.3128

 18.8144, 0.3081,  
0.3033


 101.2189, 0.3101,  
0.3141

 11.5363, 0.3072,  
0.2990


129.5932, 0.3104,  
0.3153

 6.4288, 0.3059,  
0.2928

162.8290, 0.3105,  
0.3163

 3.1075, 0.3038,  
0.2835

201.3106, 0.3107,  
0.3171

 1.1881, 0.3000,  
0.2679

245.4224, 0.3108,

 0.0520, 0.2704,

0.3179

0.0683

295.5488, 0.3109,  
0.3185

0.0000, 0.0000,  
0.0000

41.4203, 0.3092,  
0.3091

41.4203, 0.3092,  
0.3091

34.3428, 0.3041,  
0.2833

49.4966, 0.3134,  
0.3334

28.2182, 0.2982,  
0.2563

58.6043, 0.3170,  
0.3558

23.0053, 0.2914,  
0.2288

68.7814, 0.3198,  
0.3763

18.6572, 0.2838,  
0.2018

80.0620, 0.3221,  
0.3949

15.1233, 0.2755,  
0.1763

88.5983, 0.3247,  
0.4062

■ 12.3472, 0.2668,  
0.1536

■ 89.5046, 0.3286,  
0.4052

■ 10.2654, 0.2578,  
0.1347

■ 90.4451, 0.3326,  
0.4043

■ 8.8033, 0.2490,  
0.1205

■ 91.4203, 0.3366,  
0.4033

■ 7.8423, 0.2406,  
0.1107

■ 92.4304, 0.3406,  
0.4023

# Harmonies

## Analogous

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



41.4203, 0.2971, 0.3067



41.4203, 0.3092, 0.3091



41.4203, 0.3225, 0.3165

# Triad

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



41.4203, 0.3092, 0.3091



41.4203, 0.3366, 0.3476



41.4203, 0.2925, 0.3304

# Complementary

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



41.4203, 0.3092, 0.3091



46.1315, 0.3160, 0.3492

# 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.



41.4203, 0.3027, 0.3420



41.4203, 0.3092, 0.3091



41.4203, 0.3283, 0.3520

# Square

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



41.4203, 0.3092, 0.3091



41.4203, 0.3385, 0.3385



41.4203, 0.3158, 0.3500



41.4203, 0.2876, 0.3187



# Rectangle

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



41.4203, 0.3092, 0.3091



41.4203, 0.3302, 0.3234



41.4203, 0.3158, 0.3500



41.4203, 0.2954, 0.3345

# Sweetspot

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



41.4221, 0.3092, 0.3091



83.8335, 0.3119, 0.3241



42.1638, 0.3003, 0.3154



18.1069, 0.3119, 0.3244



93.3107, 0.3127, 0.3290



18.7317, 0.3127, 0.3290



# Same Dimension

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



41.4221, 0.3092, 0.3091



72.3657, 0.3082, 0.3040



41.9192, 0.3157, 0.3126



9.0100, 0.3086, 0.3061



5.3369, 0.2400, 0.1096



0.2203, 0.2616, 0.1215



# Inverse Universe

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



41.6170, 0.3222, 0.3225



72.8092, 0.3248, 0.3208



45.6680, 0.3098, 0.3460



9.0599, 0.3237, 0.3215



7.2657, 0.5618, 0.2869

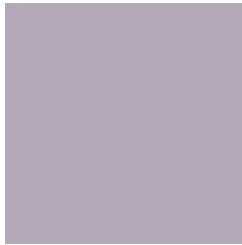


0.2679, 0.4877, 0.2460



# Previews

## White Background



This preview shows how the Yxy color 41.4203, 0.3092, 0.3091 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

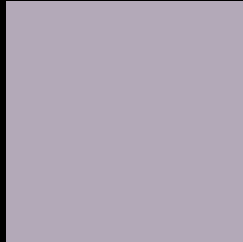
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 41.4203, 0.3092, 0.3091 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

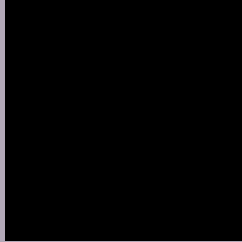
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

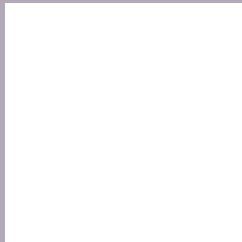
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 41.4203, 0.3092, 0.3091**

## Background



This preview shows how black text looks on a background with the Yxy color 41.4203, 0.3092, 0.3091.



This preview shows how white text looks on a background with the Yxy color 41.4203, 0.3092, 0.3091.

# 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

41.4203, 0.3092, 0.3091

### Protanopia

41.3993, 0.3021, 0.3101

### Deuteranopia

41.2885, 0.3138, 0.3067



## Tritanopia

41.3785, 0.3100, 0.3104

# Trichromacy



## Original Color

41.4203, 0.3092, 0.3091

## Protanomaly

41.3662, 0.3048, 0.3089

## Deuteranomaly

41.4110, 0.3119, 0.3079

## Tritanomaly

41.3785, 0.3100, 0.3104

# Monochromacy



## Original Color

41.4203, 0.3092, 0.3091

## Achromatopsia

42.3268, 0.3127, 0.3290

## Achromatomaly

41.9495, 0.3113, 0.3209

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 41.4203, 0.3092, 0.3091 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, 169, 184)` looks like.

```
.text, #text, p{  
    color:rgb(179, 169, 184)  
}
```

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, 169, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 169, 184) }
```

## Border

The CSS property to change the border of an element to Yxy 41.4203, 0.3092, 0.3091 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, 169, 184) }
```

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

```
.border{ border-color:rgb(179, 169, 184) }
```

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

Here you see how a box with a 4 pixel `rgb(179, 169, 184)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 169, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 169, 184);  
box-shadow:4px 4px 4px 4px rgb(179, 169,  
184) }
```



# Background

The CSS property to change the background color of an element to Yxy 41.4203, 0.3092, 0.3091 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 169, 184) }
```

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

```
.background{ background-color: rgb(179,  
169, 184) }
```

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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