

# Converting Colors

Yxy(51.0786, 0.3123, 0.3302)

Have a look what the booklet for  
Yxy(51.0786, 0.3123, 0.3302)  
contains.

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# Color

**Yxy(51.1924, 0.3118, 0.3303)**

# Conversions

## Conversions Part 1

Format	Color
Hex	BCBEBD
RGB	188, 190, 189
RGB Percent	74%, 75%, 74%
CMY	0.2630, 0.2548, 0.2589
CMYK	0.01, 0.00, 0.01, 0.25
HSL	150°, 2%, 74%
HSV	150°, 1%, 75%
XYZ	48.3251, 51.1924, 55.4701
YIQ	189.2880, -0.8710, -0.7350

# Conversions

## Conversions Part 2

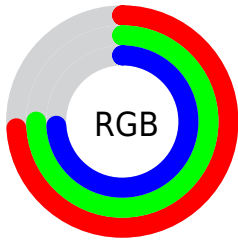
Format	Color
<a href="#">RYB</a>	<a href="#">188, 189, 190</a>
Decimal	<a href="#">12369597</a>
CIELab	<a href="#">76.80, -0.91, 0.26</a>
CIELCh	<a href="#">77, 0.947, 164.157</a>
Yxy	<a href="#">51.1924, 0.3118, 0.3303</a>
Android (android.graphics.Color)	<a href="#">4290559677</a> ( <a href="#">0xFFBCBEBD</a> )
YUV	<a href="#">189.2880, -0.1420, -1.1296</a>
Hunter-Lab	<a href="#">71.5489, -4.6491, 4.1181</a>

# Details

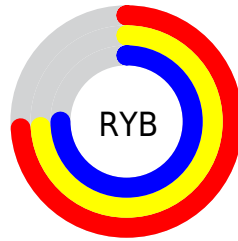
The Yxy color **51.1924, 0.3118, 0.3303** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **50.5637, 0.3136, 0.3277**, and the grayscale version is **51.0595, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.7372, 0.3120, 0.3300**, and **24.8198, 0.3115, 0.3307** is the 20% darker color. If you saturate the color by 10%, you get **48.5418, 0.3035, 0.3430**, and if you desaturate by 10%, it is **54.1919, 0.3201, 0.3190**.

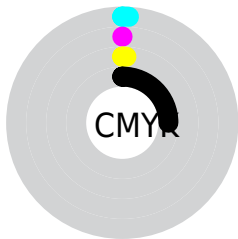
# Distribution



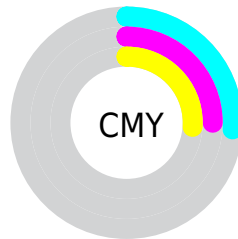
- Red (74%)
- Green (75%)
- Blue (74%)



- Red (74%)
- Yellow (74%)
- Blue (75%)



- Cyan (1%)
- Magenta (0%)
- Yellow (1%)
- Black (25%)



- Cyan (26%)
- Magenta (25%)
- Yellow (26%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 51.1924, 0.3118, 0.3303 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 51.1924, 0.3118, 0.3303 by changing the saturation by 10% instead.



■ 51.1924, 0.3118,  
0.3303

■ 51.1924, 0.3118,  
0.3303

391.3108, 0.3123,  
0.3297

■ 36.3618, 0.3117,  
0.3305

■ 91.9391, 0.3120,  
0.3301

■ 24.7137, 0.3115,  
0.3307

118.6240, 0.3120,  
0.3300

■ 15.8639, 0.3114,  
0.3309

150.0290, 0.3121,  
0.3299

■ 9.4279, 0.3111,  
0.3313

186.5386, 0.3121,  
0.3299

■ 5.0213, 0.3107,  
0.3318

228.5372, 0.3122,  
0.3298

■ 2.2598, 0.3101,  
0.3326

276.4092, 0.3122,

■ 0.7523, 0.3084,

0.3298

0.3349

330.5389, 0.3122,  
0.3297

0.0000, 0.0000,  
0.0000

51.1924, 0.3118,  
0.3303

51.1924, 0.3118,  
0.3303

48.5418, 0.3035,  
0.3430

54.1919, 0.3201,  
0.3190

46.2207, 0.2955,  
0.3571

57.5457, 0.3284,  
0.3091

44.2175, 0.2879,  
0.3726


61.2678, 0.3364,  
0.3004

42.5178, 0.2812,  
0.3895


63.6321, 0.3370,  
0.2918


41.1056, 0.2755,  
0.4076


64.1678, 0.3297,  
0.2827


 39.9638, 0.2713,  
0.4266

 64.7326, 0.3225,  
0.2738

 39.0732, 0.2689,  
0.4460

 65.3174, 0.3157,  
0.2654

 38.4118, 0.2683,  
0.4654

 37.9538, 0.2697,  
0.4842

# Harmonies

## Analogous

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



51.1924, 0.3131, 0.3310



51.1924, 0.3118, 0.3303



51.1924, 0.3108, 0.3292

# Triad

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



51.1924, 0.3118, 0.3303



51.1924, 0.3112, 0.3268



51.1924, 0.3152, 0.3300

# Complementary

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



51.1924, 0.3118, 0.3303



50.5637, 0.3136, 0.3277

# 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.



51.1924, 0.3147, 0.3288



51.1924, 0.3118, 0.3303



51.1924, 0.3124, 0.3270

# Square

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



51.1924, 0.3118, 0.3303



51.1924, 0.3104, 0.3272



51.1924, 0.3137, 0.3278



51.1924, 0.3151, 0.3308



# Rectangle

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



51.1924, 0.3118, 0.3303



51.1924, 0.3103, 0.3284



51.1924, 0.3137, 0.3278



51.1924, 0.3151, 0.3296

# Sweetspot

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



51.1946, 0.3118, 0.3303



93.3107, 0.3127, 0.3290



51.2821, 0.3134, 0.3316



20.4902, 0.3127, 0.3290



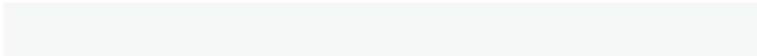
97.7402, 0.3127, 0.3290

# Same Dimension

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



51.1946, 0.3118, 0.3303



92.7872, 0.3119, 0.3302



51.2398, 0.3110, 0.3290



11.2222, 0.3119, 0.3301



25.0591, 0.2716, 0.4979



0.9948, 0.2594, 0.4539

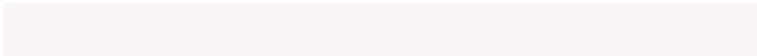


# Inverse Universe

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



50.5637, 0.3136, 0.3277



91.7283, 0.3136, 0.3278



50.5188, 0.3144, 0.3290



11.1044, 0.3135, 0.3279



7.8385, 0.4945, 0.2498

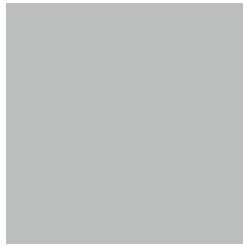


0.3203, 0.4422, 0.2210



# Previews

## White Background



This preview shows how the Yxy color 51.1924, 0.3118, 0.3303 looks on a white background.

## Color Contrast Check

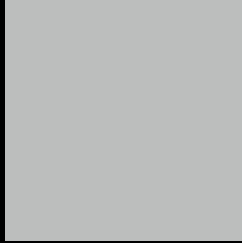
Large Text (above 18pt) WCAG AA × Fail

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 51.1924, 0.3118, 0.3303 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

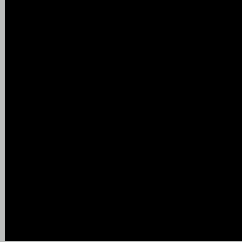
Any Text WCAG AAA ✓ Pass

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

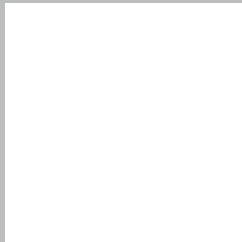


**Yxy 51.1924, 0.3118, 0.3303**

## **Background**



This preview shows how black text looks on a background with the Yxy color 51.1924, 0.3118, 0.3303.



This preview shows how white text looks on a background with the Yxy color 51.1924, 0.3118, 0.3303.

# 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

51.1924, 0.3118, 0.3303

### Protanopia

51.3635, 0.3168, 0.3303

### Deuteranopia

50.8501, 0.3276, 0.3206



## Tritanopia

51.2254, 0.3031, 0.3105

# Trichromacy



## Original Color

51.1924, 0.3118, 0.3303

## Protanomaly

51.1024, 0.3151, 0.3303

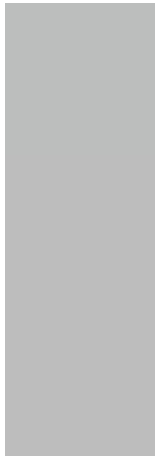
## Deuteranomaly

51.1149, 0.3213, 0.3241

## Tritanomaly

51.2912, 0.3059, 0.3178

# Monochromacy



## Original Color

51.1924, 0.3118, 0.3303

## Achromatopsia

50.8881, 0.3127, 0.3290

## Achromatomaly

50.8881, 0.3127, 0.3290

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 51.1924, 0.3118, 0.3303 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(188, 190, 189)` looks like.

```
.text, #text, p{  
    color:rgb(188, 190, 189)  
}
```

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(188, 190, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 190, 189) }
```

## Border

The CSS property to change the border of an element to Yxy 51.1924, 0.3118, 0.3303 is called "border". The border property can be set on classes, ids or directly on the HTML element.

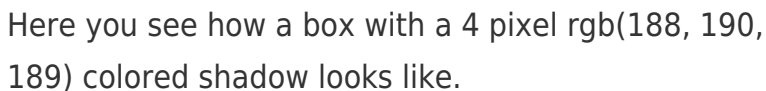
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(188, 190, 189) }
```

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

```
.border{ border-color:rgb(188, 190, 189) }
```

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



Here you see how a box with a 4 pixel `rgb(188, 190, 189)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(188, 190, 189); -webkit-box-shadow:4px 4px 4px 4px rgb(188, 190, 189); box-shadow:4px 4px 4px 4px rgb(188, 190, 189) }
```

# Background

The CSS property to change the background color of an element to Yxy 51.1924, 0.3118, 0.3303 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 190, 189) }
```

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

```
.background{ background-color: rgb(188,  
190, 189) }
```

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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