

# Converting Colors

Yxy(51.2844, 0.3066, 0.3290)

Have a look what the booklet for  
Yxy(51.2844, 0.3066, 0.3290)  
contains.

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# Color

**Yxy(51.2135, 0.3071, 0.3290)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B8BFBF
RGB	184, 191, 191
RGB Percent	72%, 75%, 75%
CMY	0.2783, 0.2510, 0.2510
CMYK	0.04, 0.00, 0.00, 0.25
HSL	180°, 5%, 74%
HSV	180°, 4%, 75%
XYZ	47.8045, 51.2135, 56.6462
YIQ	188.9070, -4.1720, -1.4840

# Conversions

## Conversions Part 2

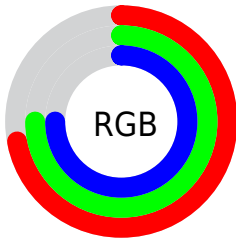
<b>Format</b>	<b>Color</b>
<b>RYB</b>	184, 188, 191
Decimal	12107711
CIELab	76.81, -2.40, -0.84
CIELCh	77, 2.547, 199.269
Yxy	51.2135, 0.3071, 0.3290
Android (android.graphics.Color)	4290297791 (0xFFB8BFBF)
YUV	188.9070, 1.0318, -4.3034
Hunter-Lab	71.5636, -5.9984, 3.1635




# Details

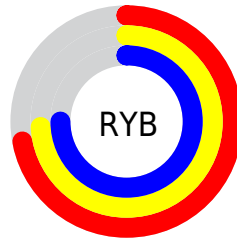
The Yxy color  $51.2135, 0.3071, 0.3290$  is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be  $48.8296, 0.3186, 0.3290$ , and the grayscale version is  $50.8312, 0.3127, 0.3290$ .




A 20% lighter version of the original color is  $91.7622, 0.3083, 0.3290$ , and  $24.8372, 0.3051, 0.3290$  is the 20% darker color. If you saturate the color by 10%, you get  $49.0117, 0.2922, 0.3290$ , and if you desaturate by 10%, it is  $53.7381, 0.3226, 0.3290$ .

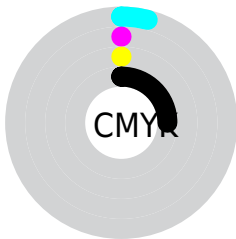
# Distribution







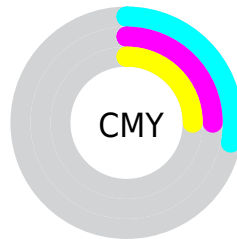
-  Red (72%)
-  Green (75%)
-  Blue (75%)






-  Red (72%)
-  Yellow (74%)
-  Blue (75%)



-  Cyan (4%)
-  Magenta (0%)
-  Yellow (0%)
-  Black (25%)




-  Cyan (28%)
-  Magenta (25%)
-  Yellow (25%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 51.2135, 0.3071, 0.3290 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 51.2135, 0.3071, 0.3290 by changing the saturation by 10% instead.




 51.2135, 0.3071,  
0.3290

 51.2135, 0.3071,  
0.3290

391.3927, 0.3099,  
0.3290

 36.3785, 0.3064,  
0.3290


 91.9703, 0.3081,  
0.3290

 24.7267, 0.3056,  
0.3290

118.6609, 0.3085,  
0.3290

 15.8736, 0.3044,  
0.3290

150.0722, 0.3088,  
0.3290

 9.4347, 0.3029,  
0.3290

186.5886, 0.3091,  
0.3290

 5.0258, 0.3006,  
0.3289

228.5944, 0.3093,  
0.3290

 2.2624, 0.2969,  
0.3288

276.4741, 0.3095,

 0.7537, 0.2871,

0.3290

330.6121, 0.3097,  
0.3290

0.3290

0.0000, 0.0000,  
0.0000

51.2135, 0.3071,  
0.3290

51.2135, 0.3071,  
0.3290

49.0117, 0.2922,  
0.3290

53.7381, 0.3226,  
0.3290

47.1136, 0.2783,  
0.3290

56.5910, 0.3386,  
0.3290

45.5078, 0.2656,  
0.3291

59.7857, 0.3546,  
0.3290

44.1797, 0.2544,  
0.3291

62.2897, 0.3660,  
0.3290

43.1137, 0.2449,  
0.3291

62.2915, 0.3659,  
0.3290

■ 42.2923, 0.2373,  
0.3292

■ 62.2933, 0.3659,  
0.3289

■ 41.6960, 0.2316,  
0.3292

■ 62.2951, 0.3659,  
0.3289

■ 41.3026, 0.2278,  
0.3293

■ 62.2969, 0.3658,  
0.3288

■ 41.0851, 0.2256,  
0.3294

■ 62.2988, 0.3658,  
0.3288

# Harmonies

## Analogous

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



51.2135, 0.3097, 0.3320



51.2135, 0.3071, 0.3290



51.2135, 0.3060, 0.3260

# Triad

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



51.2135, 0.3071, 0.3290



51.2135, 0.3123, 0.3239



51.2135, 0.3188, 0.3342

# Complementary

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



51.2135, 0.3071, 0.3290



48.8296, 0.3186, 0.3290

# 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.



51.2135, 0.3195, 0.3320



51.2135, 0.3071, 0.3290



51.2135, 0.3158, 0.3261

# Square

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



51.2135, 0.3071, 0.3290



51.2135, 0.3090, 0.3231



51.2135, 0.3184, 0.3290



51.2135, 0.3164, 0.3350



# Rectangle

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



51.2135, 0.3071, 0.3290



51.2135, 0.3063, 0.3244



51.2135, 0.3184, 0.3290



51.2135, 0.3192, 0.3336

# Sweetspot

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



51.2157, 0.3071, 0.3290



92.8628, 0.3111, 0.3290



50.9308, 0.3124, 0.3379



20.3967, 0.3112, 0.3290



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290



# Same Dimension

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



51.2157, 0.3071, 0.3290



91.5546, 0.3065, 0.3290



49.7626, 0.3072, 0.3247



11.0373, 0.3055, 0.3290



26.9482, 0.2248, 0.3294



1.0557, 0.2248, 0.3292

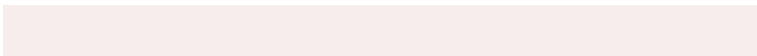


# Inverse Universe

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



48.8296, 0.3186, 0.3290



86.8130, 0.3193, 0.3290



50.2467, 0.3183, 0.3333



10.3808, 0.3203, 0.3290



7.2800, 0.6398, 0.3298

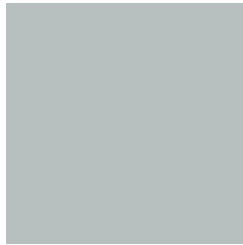


0.2853, 0.6387, 0.3292



# Previews

## White Background



This preview shows how the Yxy color 51.2135, 0.3071, 0.3290 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 51.2135, 0.3071, 0.3290 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

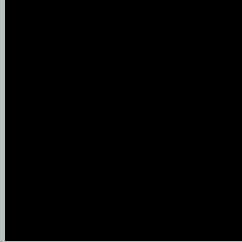
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

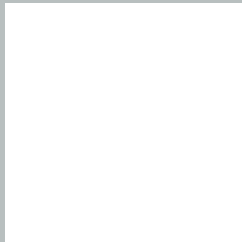
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 51.2135, 0.3071, 0.3290**

## **Background**



This preview shows how black text looks on a background with the Yxy color 51.2135, 0.3071, 0.3290.



This preview shows how white text looks on a background with the Yxy color 51.2135, 0.3071, 0.3290.

# 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

51.2135, 0.3071, 0.3290

### Protanopia

51.0216, 0.3153, 0.3265

### Deuteranopia

51.2086, 0.3250, 0.3194



## Tritanopia

51.1939, 0.2992, 0.3104

# Trichromacy



## Original Color

51.2135, 0.3071, 0.3290

## Protanomaly

51.0600, 0.3128, 0.3277

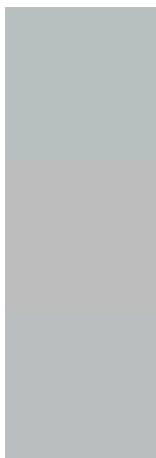
## Deuteranomaly

51.3522, 0.3180, 0.3229

## Tritanomaly

51.2647, 0.3020, 0.3177

# Monochromacy



## Original Color

51.2135, 0.3071, 0.3290

## Achromatopsia

50.8881, 0.3127, 0.3290

## Achromatomaly

51.1094, 0.3103, 0.3290

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 51.2135, 0.3071, 0.3290 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(184, 191, 191)` looks like.

```
.text, #text, p{  
    color:rgb(184, 191, 191)  
}
```

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(184, 191, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 191, 191) }
```

## Border

The CSS property to change the border of an element to Yxy 51.2135, 0.3071, 0.3290 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(184, 191, 191) }
```

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

```
.border{ border-color:rgb(184, 191, 191) }
```

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

Here you see how a box with a 4 pixel `rgb(184, 191, 191)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(184, 191, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(184, 191, 191);  
box-shadow:4px 4px 4px 4px rgb(184, 191,  
191) }
```



# Background

The CSS property to change the background color of an element to Yxy 51.2135, 0.3071, 0.3290 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(184, 191, 191) }
```

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

```
.background{ background-color: rgb(184,  
191, 191) }
```

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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