

# Converting Colors

$Yxy(48.0813, 0.3061, 0.3246)$

Have a look what the booklet for  
Yxy(48.0813, 0.3061, 0.3246)  
contains.

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# Color

**Yxy(48.0321, 0.3063, 0.3251)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B4B9BC
RGB	180, 185, 188
RGB Percent	71%, 73%, 74%
CMY	0.2940, 0.2745, 0.2628
CMYK	0.04, 0.02, 0.00, 0.26
HSL	203°, 6%, 72%
HSV	203°, 4%, 74%
XYZ	45.2545, 48.0321, 54.4590
YIQ	183.8470, -3.9430, -0.1270

# Conversions

## Conversions Part 2

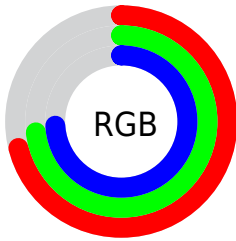
Format	Color
R <sub>Y</sub> B	180, 183, 188
Decimal	11844028
CIE Lab	74.85, -1.14, -2.13
CIE LCh	75, 2.415, 241.755
Yxy	48.0321, 0.3063, 0.3251
Android (android.graphics.Color)	4290034108 (0xFFB4B9BC)
YUV	183.8470, 2.0474, -3.3738
Hunter-Lab	69.3052, -4.7283, 1.9244

# Details

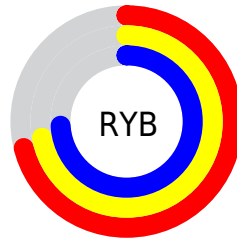
The Yxy color **48.0321, 0.3063, 0.3251** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **47.8710, 0.3193, 0.3329**, and the grayscale version is **47.8379, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.2751, 0.3077, 0.3260**, and **22.7638, 0.3040, 0.3237** is the 20% darker color. If you saturate the color by 10%, you get **43.0352, 0.2909, 0.3152**, and if you desaturate by 10%, it is **53.4871, 0.3213, 0.3340**.

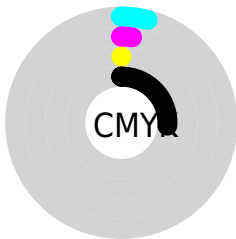
# Distribution



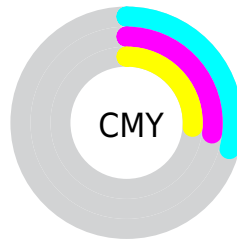
- Red (71%)
- Green (73%)
- Blue (74%)



- Red (71%)
- Yellow (72%)
- Blue (74%)



- Cyan (4%)
- Magenta (2%)
- Yellow (0%)
- Black (26%)




- Cyan (29%)
- Magenta (27%)
- Yellow (26%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 48.0321, 0.3063, 0.3251 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 48.0321, 0.3063, 0.3251 by changing the saturation by 10% instead.





 48.0321, 0.3063,  
0.3251

 48.0321, 0.3063,  
0.3251


378.9193, 0.3095,  
0.3271

 33.8523, 0.3055,  
0.3246


 87.2522, 0.3075,  
0.3258

 22.7802, 0.3045,  
0.3240


113.0613, 0.3079,  
0.3261

 14.4313, 0.3031,  
0.3232


143.5156, 0.3083,  
0.3263

 8.4212, 0.3013,  
0.3220

178.9995, 0.3086,  
0.3265

 4.3656, 0.2985,  
0.3202

219.8975, 0.3089,  
0.3267

 1.8801, 0.2939,  
0.3174

266.5938, 0.3091,

 0.5364, 0.2752,

0.3268

0.3063

319.4730, 0.3093,  
0.3269

0.0000, 0.0000,  
0.0000

48.0321, 0.3063,  
0.3251

48.0321, 0.3063,  
0.3251

43.0352, 0.2909,  
0.3152

53.4871, 0.3213,  
0.3340

38.4758, 0.2754,  
0.3042

59.4078, 0.3359,  
0.3420

34.3409, 0.2601,  
0.2923

65.8090, 0.3498,  
0.3490

30.6141, 0.2453,  
0.2794

72.6583, 0.3628,  
0.3552

27.2779, 0.2315,  
0.2658

76.3115, 0.3609,  
0.3623

■ 24.3132, 0.2189,  
0.2517

■ 80.1228, 0.3592,  
0.3693

■ 21.6988, 0.2080,  
0.2372

■ 84.0939, 0.3574,  
0.3761

■ 19.4104, 0.1991,  
0.2227

■ 88.2268, 0.3557,  
0.3828

■ 17.4194, 0.1923,  
0.2084

■ 92.5232, 0.3540,  
0.3893

# Harmonies

## Analogous

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



48.0321, 0.3066, 0.3277



48.0321, 0.3063, 0.3251



48.0321, 0.3077, 0.3235

# Triad

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



48.0321, 0.3063, 0.3251



48.0321, 0.3169, 0.3273



48.0321, 0.3150, 0.3347

# Complementary

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



48.0321, 0.3063, 0.3251



47.8710, 0.3193, 0.3329

# 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.



48.0321, 0.3178, 0.3345



48.0321, 0.3063, 0.3251



48.0321, 0.3189, 0.3302

# Square

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



48.0321, 0.3063, 0.3251



48.0321, 0.3138, 0.3248



48.0321, 0.3192, 0.3329



48.0321, 0.3117, 0.3333



# Rectangle

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



48.0321, 0.3063, 0.3251



48.0321, 0.3094, 0.3233



48.0321, 0.3192, 0.3329



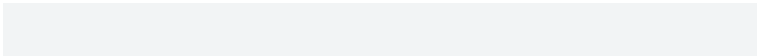
48.0321, 0.3161, 0.3348

# Sweetspot

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



48.0341, 0.3063, 0.3251



90.1472, 0.3112, 0.3281



49.0892, 0.3100, 0.3355



19.3967, 0.3113, 0.3281



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290

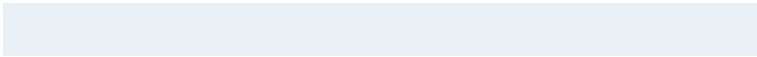


# Same Dimension

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



48.0341, 0.3063, 0.3251



86.2583, 0.3050, 0.3243



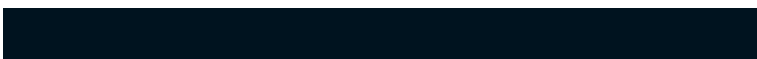
46.4272, 0.3064, 0.3200



10.6145, 0.3042, 0.3238



11.2958, 0.1895, 0.2021



0.5646, 0.1989, 0.2359



# Inverse Universe

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



46.8517, 0.3156, 0.3227



83.7077, 0.3162, 0.3214



49.5001, 0.3190, 0.3378



10.2678, 0.3166, 0.3206



8.1700, 0.4430, 0.2214

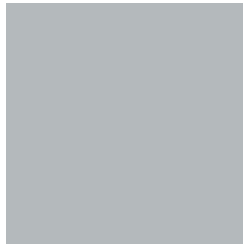


0.3324, 0.4065, 0.2013



# Previews

## White Background



This preview shows how the Yxy color 48.0321, 0.3063, 0.3251 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

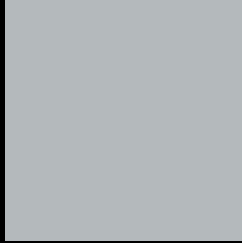
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 48.0321, 0.3063, 0.3251 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

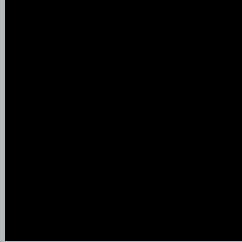
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

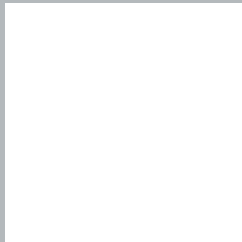
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 48.0321, 0.3063, 0.3251**

## **Background**



This preview shows how black text looks on a background with the Yxy color 48.0321, 0.3063, 0.3251.



This preview shows how white text looks on a background with the Yxy color 48.0321, 0.3063, 0.3251.

# 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

48.0321, 0.3063, 0.3251

### Protanopia

47.8939, 0.3121, 0.3239

### Deuteranopia

47.6570, 0.3220, 0.3154



## Tritanopia

47.8893, 0.3004, 0.3099

# Trichromacy



## Original Color

48.0321, 0.3063, 0.3251

## Protanomaly

48.0592, 0.3104, 0.3251

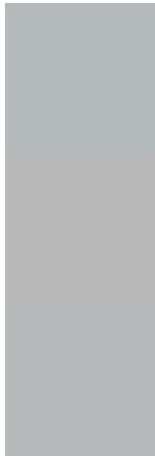
## Deuteranomaly

47.9283, 0.3157, 0.3189

## Tritanomaly

47.9998, 0.3026, 0.3162

# Monochromacy



## Original Color

48.0321, 0.3063, 0.3251

## Achromatopsia

47.9320, 0.3127, 0.3290

## Achromatomaly

47.8510, 0.3111, 0.3277

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 48.0321, 0.3063, 0.3251 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(180, 185, 188)` looks like.

```
.text, #text, p{  
    color:rgb(180, 185, 188)  
}
```

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(180, 185, 188) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 185, 188) }
```

## Border

The CSS property to change the border of an element to Yxy 48.0321, 0.3063, 0.3251 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(180, 185, 188) }
```

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

```
.border{ border-color:rgb(180, 185, 188) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 185, 188)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 185, 188); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 185, 188);  
box-shadow:4px 4px 4px 4px rgb(180, 185,  
188) }
```



# Background

The CSS property to change the background color of an element to Yxy 48.0321, 0.3063, 0.3251 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 185, 188) }
```

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

```
.background{ background-color: rgb(180,  
185, 188) }
```

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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