

# Converting Colors

$Yxy(52.2508, 0.3089, 0.3371)$

Have a look what the booklet for  
Yxy(52.2508, 0.3089, 0.3371)  
contains.

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# Color

**Yxy(52.2817, 0.3084, 0.3366)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B7C2BC
RGB	183, 194, 188
RGB Percent	72%, 76%, 74%
CMY	0.2822, 0.2392, 0.2628
CMYK	0.06, 0.00, 0.03, 0.24
HSL	147°, 8%, 74%
HSV	147°, 6%, 76%
XYZ	47.9016, 52.2817, 55.1396
YIQ	190.0270, -4.6300, -4.1980

# Conversions

## Conversions Part 2

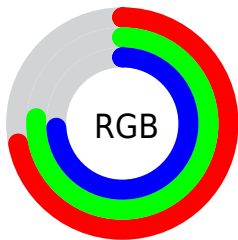
Format	Color
R <sub>Y</sub> B	183, 191, 194
Decimal	12042940
CIE Lab	77.45, -4.90, 1.70
CIE LCh	77, 5.185, 160.824
Yxy	52.2817, 0.3084, 0.3366
Android (android.graphics.Color)	4290233020 (0xFFB7C2BC)
YUV	190.0270, -0.9993, -6.1627
Hunter-Lab	72.3061, -8.2823, 5.4005

# Details

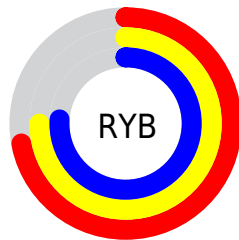
The Yxy color **52.2817, 0.3084, 0.3366** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **49.0235, 0.3173, 0.3215**, and the grayscale version is **51.5200, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.2536, 0.3093, 0.3349**, and **25.2513, 0.3069, 0.3376** is the 20% darker color. If you saturate the color by 10%, you get **49.6250, 0.3009, 0.3513**, and if you desaturate by 10%, it is **55.3045, 0.3160, 0.3235**.

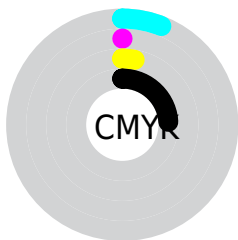
# Distribution



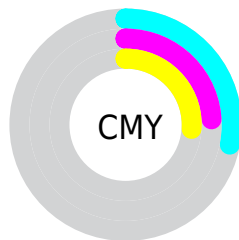
- Red (72%)
- Green (76%)
- Blue (74%)



- Red (72%)
- Yellow (75%)
- Blue (76%)



- Cyan (6%)
- Magenta (0%)
- Yellow (3%)
- Black (24%)



- Cyan (28%)
- Magenta (24%)
- Yellow (26%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 52.2817, 0.3084, 0.3366 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 52.2817, 0.3084, 0.3366 by changing the saturation by 10% instead.



■ 52.2817, 0.3084,  
0.3366

■ 52.2817, 0.3084,  
0.3366

395.5232, 0.3105,  
0.3329

■ 37.2297, 0.3079,  
0.3375

■ 93.5466, 0.3092,  
0.3353

■ 25.3854, 0.3072,  
0.3387

120.5282, 0.3095,  
0.3347

■ 16.3644, 0.3063,  
0.3402

152.2551, 0.3097,  
0.3343

■ 9.7824, 0.3051,  
0.3424

189.1117, 0.3099,  
0.3339

■ 5.2549, 0.3033,  
0.3455

231.4824, 0.3101,  
0.3336

■ 2.3976, 0.3004,  
0.3506

279.7517, 0.3103,

■ 0.8246, 0.2929,

0.3333

0.3636

334.3038, 0.3104,  
0.3331

0.0000, 0.0000,  
0.0000

52.2817, 0.3084,  
0.3366

52.2817, 0.3084,  
0.3366

49.6250, 0.3009,  
0.3513

55.3045, 0.3160,  
0.3235

47.3136, 0.2936,  
0.3677

58.6999, 0.3236,  
0.3119

45.3348, 0.2870,  
0.3856

62.4827, 0.3310,  
0.3017

43.6724, 0.2812,  
0.4050

65.5819, 0.3337,  
0.2923

42.3090, 0.2766,  
0.4256

66.1983, 0.3257,  
0.2821

■ 41.2253, 0.2736,  
0.4469

■ 66.8518, 0.3179,  
0.2723

■ 40.3997, 0.2723,  
0.4683

■ 67.0625, 0.3155,  
0.2693

■ 39.8073, 0.2730,  
0.4891

■ 39.4172, 0.2755,  
0.5088

# Harmonies

## Analogous

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



52.2817, 0.3154, 0.3404



52.2817, 0.3084, 0.3366



52.2817, 0.3026, 0.3307

# Triad

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



52.2817, 0.3084, 0.3366



52.2817, 0.3037, 0.3172



52.2817, 0.3262, 0.3333

# Complementary

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



52.2817, 0.3084, 0.3366



49.0235, 0.3173, 0.3215

# 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.



52.2817, 0.3229, 0.3272



52.2817, 0.3084, 0.3366



52.2817, 0.3099, 0.3180

# Square

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



52.2817, 0.3084, 0.3366



52.2817, 0.2999, 0.3195



52.2817, 0.3170, 0.3216



52.2817, 0.3257, 0.3384



# Rectangle

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



52.2817, 0.3084, 0.3366



52.2817, 0.3001, 0.3265



52.2817, 0.3170, 0.3216



52.2817, 0.3255, 0.3313

# Sweetspot

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



52.2839, 0.3084, 0.3366



96.6334, 0.3112, 0.3317



52.8293, 0.3169, 0.3428



21.1735, 0.3112, 0.3315



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

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



52.2839, 0.3084, 0.3366



93.9859, 0.3073, 0.3386



52.5237, 0.3044, 0.3297



11.4463, 0.3070, 0.3392



25.8450, 0.2762, 0.5145



1.1306, 0.2641, 0.4707



# Inverse Universe

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



49.0235, 0.3173, 0.3215



86.6285, 0.3185, 0.3195



48.7909, 0.3216, 0.3283



10.5026, 0.3189, 0.3190



8.2441, 0.4739, 0.2384

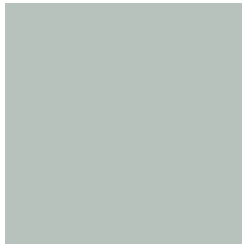


0.3700, 0.4308, 0.2147



# Previews

## White Background



This preview shows how the Yxy color 52.2817, 0.3084, 0.3366 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

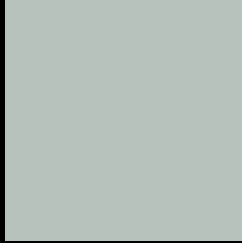
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 52.2817, 0.3084, 0.3366 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

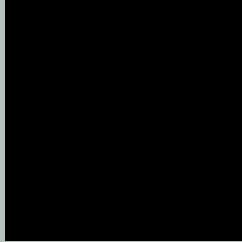
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

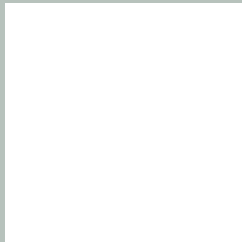
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 52.2817, 0.3084, 0.3366**

## **Background**



This preview shows how black text looks on a background with the Yxy color 52.2817, 0.3084, 0.3366.



This preview shows how white text looks on a background with the Yxy color 52.2817, 0.3084, 0.3366.

# 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

52.2817, 0.3084, 0.3366

### Protanopia

52.1078, 0.3207, 0.3340

### Deuteranopia

52.1173, 0.3299, 0.3231



## Tritanopia

52.1569, 0.2977, 0.3105

# Trichromacy



## Original Color

52.2817, 0.3084, 0.3366

## Protanomaly

51.9258, 0.3157, 0.3340

## Deuteranomaly

51.9199, 0.3219, 0.3278

## Tritanomaly

52.1371, 0.3020, 0.3202

# Monochromacy



## Original Color

52.2817, 0.3084, 0.3366

## Achromatopsia

51.4918, 0.3127, 0.3290

## Achromatomaly

51.5005, 0.3110, 0.3315

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 52.2817, 0.3084, 0.3366 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(183, 194, 188)` looks like.

```
.text, #text, p{  
    color:rgb(183, 194, 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(183, 194, 188) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 194, 188) }
```

## Border

The CSS property to change the border of an element to Yxy 52.2817, 0.3084, 0.3366 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(183, 194, 188) }
```

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

```
.border{ border-color:rgb(183, 194, 188) }
```

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

Here you see how a box with a 4 pixel `rgb(183, 194, 188)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(183, 194, 188); -webkit-box-shadow:4px 4px 4px 4px rgb(183, 194, 188); box-shadow:4px 4px 4px 4px rgb(183, 194, 188) }
```



# Background

The CSS property to change the background color of an element to Yxy 52.2817, 0.3084, 0.3366 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 194, 188) }
```

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

```
.background{ background-color: rgb(183,  
194, 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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