

# Converting Colors

$Yxy(51.8263, 0.3002, 0.2978)$

Have a look what the booklet for  
Yxy(51.8263, 0.3002, 0.2978)  
contains.

<b>Yxy(51.9468, 0.2997, 0.2978)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# Color

**Yxy(51.9468, 0.2997, 0.2978)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	C3BBD5
RGB	195, 187, 213
RGB Percent	76%, 73%, 84%
CMY	0.2354, 0.2666, 0.1648
CMYK	0.08, 0.12, 0.00, 0.16
HSL	258°, 24%, 78%
HSV	258°, 12%, 84%
XYZ	52.2782, 51.9468, 70.2102
YIQ	192.3560, -3.5780, 9.7820

# Conversions

## Conversions Part 2

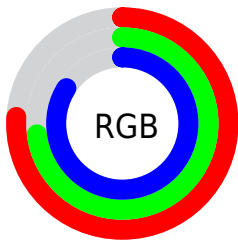
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	195, 187, 213
Decimal	12827605
CIE Lab	77.25, 7.73, -12.01
CIE LCh	77, 14.285, 302.766
Yxy	51.9468, 0.2997, 0.2978
Android (android.graphics.Color)	4291017685 (0xFFC3BBD5)
YUV	192.3560, 10.1775, 2.3188
Hunter-Lab	72.0741, 3.3434, -7.3048

# Details

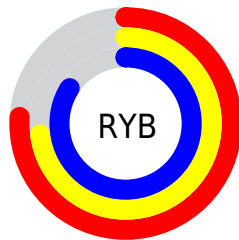
The Yxy color **51.9468, 0.2997, 0.2978** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **64.1520, 0.3247, 0.3595**, and the grayscale version is **52.8706, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.0166, 0.3113, 0.3174**, and **25.1815, 0.2961, 0.2904** is the 20% darker color. If you saturate the color by 10%, you get **41.7000, 0.2872, 0.2694**, and if you desaturate by 10%, it is **63.7329, 0.3105, 0.3237**.

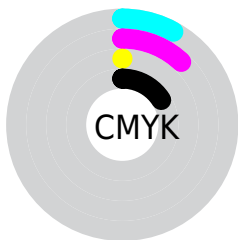
# Distribution



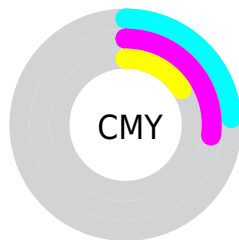
- Red (76%)
- Green (73%)
- Blue (84%)



- Red (76%)
- Yellow (73%)
- Blue (84%)



- Cyan (8%)
- Magenta (12%)
- Yellow (0%)
- Black (16%)



- Cyan (24%)
- Magenta (27%)
- Yellow (16%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 51.9468, 0.2997, 0.2978 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 51.9468, 0.2997, 0.2978 by changing the saturation by 10% instead.



■ 51.9468, 0.2997,  
0.2978

■ 51.9468, 0.2997,  
0.2978

■ 394.2312, 0.3062,  
0.3128

■ 36.9627, 0.2981,  
0.2942

■ 93.0528, 0.3020,  
0.3031

■ 25.1786, 0.2961,  
0.2897

■ 119.9434, 0.3029,  
0.3052

■ 16.2102, 0.2934,  
0.2838

■ 151.5717, 0.3037,  
0.3069

■ 9.6730, 0.2896,  
0.2759

■ 188.3220, 0.3043,  
0.3084

■ 5.1827, 0.2842,  
0.2647

■ 230.5787, 0.3049,  
0.3097

■ 2.3548, 0.2755,  
0.2476

■ 278.7262, 0.3054,

■ 0.8025, 0.2596,

0.3109

0.2179

333.1489, 0.3058,  
0.3119

0.0000, 0.0000,  
0.0000

51.9468, 0.2997,  
0.2978

51.9468, 0.2997,  
0.2978

41.7000, 0.2872,  
0.2694

63.7329, 0.3105,  
0.3237

32.9216, 0.2731,  
0.2388

77.1123, 0.3199,  
0.3469

25.5447, 0.2574,  
0.2068

92.1445, 0.3278,  
0.3675

19.4946, 0.2407,  
0.1746

97.4073, 0.3370,  
0.3702

14.6895, 0.2235,  
0.1439

97.5832, 0.3376,  
0.3701

■ 11.0383, 0.2067,  
0.1166

■ 8.4368, 0.1914,  
0.0946

■ 6.7609, 0.1784,  
0.0791

■ 5.9350, 0.1702,  
0.0711

# Harmonies

## Analogous

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



51.9468, 0.2843, 0.2976



51.9468, 0.2997, 0.2978



51.9468, 0.3190, 0.3058

# Triad

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



51.9468, 0.2997, 0.2978



51.9468, 0.3503, 0.3511



51.9468, 0.2885, 0.3383

# Complementary

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



51.9468, 0.2997, 0.2978



64.1520, 0.3247, 0.3595

# 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.



51.9468, 0.3056, 0.3540



51.9468, 0.2997, 0.2978



51.9468, 0.3414, 0.3611

# Square

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



51.9468, 0.2997, 0.2978



51.9468, 0.3487, 0.3359



51.9468, 0.3250, 0.3624



51.9468, 0.2780, 0.3204



# Rectangle

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



51.9468, 0.2997, 0.2978



51.9468, 0.3316, 0.3144



51.9468, 0.3250, 0.3624



51.9468, 0.2937, 0.3441

# Sweetspot

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



51.9490, 0.2997, 0.2978



92.3464, 0.3087, 0.3191



59.1253, 0.2940, 0.3196



19.4672, 0.3079, 0.3172



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.



51.9490, 0.2997, 0.2978



73.2871, 0.2962, 0.2896



53.7304, 0.3099, 0.2988



12.1913, 0.3029, 0.3052



3.6733, 0.1715, 0.0718



0.2647, 0.1905, 0.0823



# Inverse Universe

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



54.1005, 0.3203, 0.3081



77.2452, 0.3223, 0.3029



62.4025, 0.3151, 0.3604



12.5649, 0.3184, 0.3130



9.9615, 0.4163, 0.2067



0.6153, 0.3959, 0.1955



# Previews

## White Background



This preview shows how the Yxy color 51.9468, 0.2997, 0.2978 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

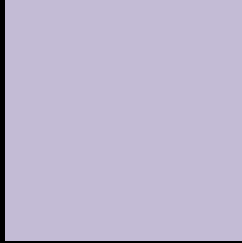
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 51.9468, 0.2997, 0.2978 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

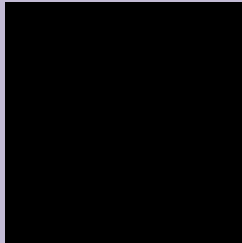
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

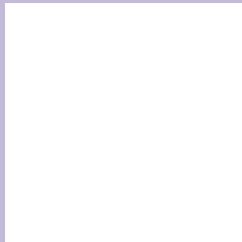
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 51.9468, 0.2997, 0.2978**

## **Background**



This preview shows how black text looks on a background with the Yxy color 51.9468, 0.2997, 0.2978.



This preview shows how white text looks on a background with the Yxy color 51.9468, 0.2997, 0.2978.

# 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

51.9468, 0.2997, 0.2978

### Protanopia

51.8150, 0.2928, 0.2985

### Deuteranopia

52.0640, 0.3029, 0.2969



## Tritanopia

52.0444, 0.3054, 0.3119

# Trichromacy



## Original Color

51.9468, 0.2997, 0.2978

## Protanomaly

51.7686, 0.2951, 0.2975

## Deuteranomaly

51.9277, 0.3021, 0.2968

## Tritanomaly

51.9408, 0.3033, 0.3059

# Monochromacy



## Original Color

51.9468, 0.2997, 0.2978

## Achromatopsia

52.7115, 0.3127, 0.3290

## Achromatomaly

52.3345, 0.3076, 0.3167

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 51.9468, 0.2997, 0.2978 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(195, 187, 213)` looks like.

```
.text, #text, p{  
    color:rgb(195, 187, 213)  
}
```

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(195, 187, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(195, 187, 213) }
```

## Border

The CSS property to change the border of an element to Yxy 51.9468, 0.2997, 0.2978 is called "border". The border property can be set on classes, ids or directly on the HTML element.

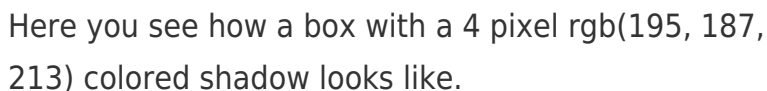
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(195, 187, 213) }
```

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

```
.border{ border-color:rgb(195, 187, 213) }
```

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



Here you see how a box with a 4 pixel `rgb(195, 187, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(195, 187, 213); -webkit-box-shadow:4px 4px 4px 4px rgb(195, 187, 213); box-shadow:4px 4px 4px 4px rgb(195, 187, 213) }
```



# Background

The CSS property to change the background color of an element to Yxy 51.9468, 0.2997, 0.2978 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(195, 187, 213) }
```

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

```
.background{ background-color: rgb(195,  
187, 213) }
```

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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