

# Converting Colors

$Yxy(51.0753, 0.3268, 0.3559)$

Have a look what the booklet for  
Yxy(51.0753, 0.3268, 0.3559)  
contains.

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# Color

**Yxy(50.9827, 0.3272, 0.3559)**

# Conversions

## Conversions Part 1

Format	Color
Hex	BDBFAA
RGB	189, 191, 170
RGB Percent	74%, 75%, 67%
CMY	0.2588, 0.2510, 0.3334
CMYK	0.01, 0.00, 0.11, 0.25
HSL	66°, 14%, 71%
HSV	66°, 11%, 75%
XYZ	46.8714, 50.9827, 45.3959
YIQ	188.0080, 5.5490, -6.9550

# Conversions

## Conversions Part 2

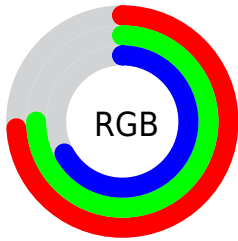
<b>Format</b>	<b>Color</b>
<b>RYB</b>	170, 191, 172
Decimal	12435370
CIELab	76.67, -4.41, 10.36
CIELCh	77, 11.260, 113.037
Yxy	50.9827, 0.3272, 0.3559
Android (android.graphics.Color)	4290625450 (0xFFBDBFAA)
YUV	188.0080, -8.8779, 0.8700
Hunter-Lab	71.4022, -7.7788, 12.2862

# Details

The Yxy color **50.9827, 0.3272, 0.3559** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **41.2793, 0.2974, 0.3009**, and the grayscale version is **50.3438, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.3702, 0.3247, 0.3510**, and **24.7192, 0.3313, 0.3638** is the 20% darker color. If you saturate the color by 10%, you get **50.0817, 0.3406, 0.3812**, and if you desaturate by 10%, it is **51.9961, 0.3140, 0.3314**.

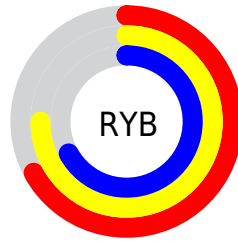
# Distribution



Red (74%)

Green (75%)

Blue (67%)



Red (67%)

Yellow (75%)

Blue (67%)

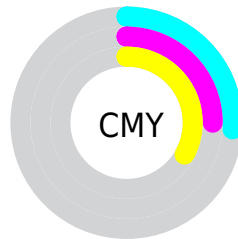


Cyan (1%)

Magenta (0%)

Yellow (11%)

Black (25%)



Cyan (26%)

Magenta (25%)

Yellow (33%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 50.9827, 0.3272, 0.3559 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 50.9827, 0.3272, 0.3559 by changing the saturation by 10% instead.




 50.9827, 0.3272,  
0.3559

 50.9827, 0.3272,  
0.3559


390.4966, 0.3201,  
0.3425

 36.1948, 0.3289,  
0.3592


 91.6292, 0.3247,  
0.3511

 24.5847, 0.3311,  
0.3635

118.2566, 0.3237,  
0.3492

 15.7679, 0.3339,  
0.3691


149.5994, 0.3229,  
0.3477

 9.3601, 0.3378,  
0.3769

186.0418, 0.3222,  
0.3464

 4.9768, 0.3433,  
0.3885

227.9684, 0.3216,  
0.3452

 2.2336, 0.3518,  
0.4072

275.7634, 0.3210,

 0.7382, 0.4208,

0.3442

0.5229

329.8113, 0.3206,  
0.3433

0.0000, 0.0000,  
0.0000

50.9827, 0.3272,  
0.3559

50.9827, 0.3272,  
0.3559

50.0817, 0.3406,  
0.3812

51.9961, 0.3140,  
0.3314

49.2819, 0.3539,  
0.4067

53.1196, 0.3013,  
0.3082

48.5807, 0.3664,  
0.4316


54.3592, 0.2894,  
0.2865


47.9729, 0.3778,  
0.4548

55.7189, 0.2782,  
0.2665


47.4527, 0.3875,  
0.4754

56.5077, 0.2742,  
0.2582

 47.0137, 0.3949,  
0.4925


 56.7576, 0.2754,  
0.2584

 46.6486, 0.3998,  
0.5054

 57.0105, 0.2767,  
0.2587

 46.3487, 0.4022,  
0.5139

 57.2665, 0.2780,  
0.2589

 46.1195, 0.4026,  
0.5185

 57.5254, 0.2792,  
0.2592

# Harmonies

## Analogous

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



50.9827, 0.3386, 0.3526



50.9827, 0.3272, 0.3559



50.9827, 0.3121, 0.3516

# Triad

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



50.9827, 0.3272, 0.3559



50.9827, 0.2834, 0.3138



50.9827, 0.3278, 0.3175

# Complementary

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



50.9827, 0.3272, 0.3559



41.2793, 0.2974, 0.3009

# 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.



50.9827, 0.3127, 0.3078



50.9827, 0.3272, 0.3559



50.9827, 0.2873, 0.3054

# Square

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



50.9827, 0.3272, 0.3559



50.9827, 0.2871, 0.3268



50.9827, 0.2979, 0.3033



50.9827, 0.3390, 0.3303



# Rectangle

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



50.9827, 0.3272, 0.3559



50.9827, 0.3021, 0.3450



50.9827, 0.2979, 0.3033



50.9827, 0.3230, 0.3138

# Sweetspot

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



50.9849, 0.3272, 0.3559



92.7317, 0.3167, 0.3363



43.3867, 0.3318, 0.3313



20.3298, 0.3177, 0.3383



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.



50.9849, 0.3272, 0.3559



90.9345, 0.3301, 0.3614



49.7202, 0.3186, 0.3566



11.0729, 0.3250, 0.3518



30.3260, 0.4028, 0.5183



1.2015, 0.4070, 0.5150



# Inverse Universe

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



41.2793, 0.2974, 0.3009



70.3840, 0.2940, 0.2948



42.4841, 0.3062, 0.3017



9.2678, 0.2998, 0.3054



2.5746, 0.1537, 0.0620

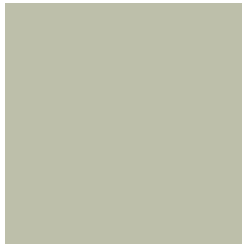


0.1157, 0.1668, 0.0693



# Previews

## White Background



This preview shows how the Yxy color 50.9827, 0.3272, 0.3559 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

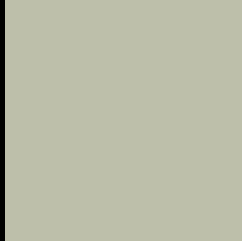
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 50.9827, 0.3272, 0.3559 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

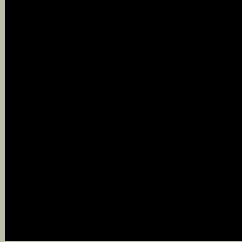
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

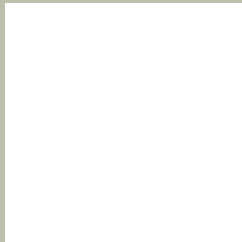
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 50.9827, 0.3272, 0.3559**

## **Background**



This preview shows how black text looks on a background with the Yxy color 50.9827, 0.3272, 0.3559.



This preview shows how white text looks on a background with the Yxy color 50.9827, 0.3272, 0.3559.

# 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

50.9827, 0.3272, 0.3559

### Protanopia

50.7013, 0.3353, 0.3529

### Deuteranopia

50.7306, 0.3490, 0.3411



## Tritanopia

50.6723, 0.3070, 0.3106

# Trichromacy



## Original Color

50.9827, 0.3272, 0.3559

## Protanomaly

50.7291, 0.3326, 0.3544

## Deuteranomaly

50.6173, 0.3412, 0.3463

## Tritanomaly

50.8906, 0.3145, 0.3265

# Monochromacy



## Original Color

50.9827, 0.3272, 0.3559

## Achromatopsia

50.2886, 0.3127, 0.3290

## Achromatomaly

50.4228, 0.3180, 0.3392

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 50.9827, 0.3272, 0.3559 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(189, 191, 170)` looks like.

```
.text, #text, p{  
    color:rgb(189, 191, 170)  
}
```

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(189, 191, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 191, 170) }
```

## Border

The CSS property to change the border of an element to Yxy 50.9827, 0.3272, 0.3559 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(189, 191, 170) }
```

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

```
.border{ border-color:rgb(189, 191, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 191, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 191, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 191, 170);  
box-shadow:4px 4px 4px 4px rgb(189, 191,  
170) }
```



# Background

The CSS property to change the background color of an element to Yxy 50.9827, 0.3272, 0.3559 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 191, 170) }
```

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

```
.background{ background-color: rgb(189,  
191, 170) }
```

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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