

# Converting Colors

$Y_{xy}(50.0752, 0.3220, 0.3590)$

Have a look what the booklet for  
Yxy(50.0752, 0.3220, 0.3590)  
contains.

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# Color

**Yxy(49.9125, 0.3220, 0.3591)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B5BFA8
RGB	181, 191, 168
RGB Percent	71%, 75%, 66%
CMY	0.2902, 0.2510, 0.3411
CMYK	0.05, 0.00, 0.12, 0.25
HSL	86°, 15%, 70%
HSV	86°, 12%, 75%
XYZ	44.7558, 49.9125, 44.3250
YIQ	185.3880, 1.4230, -9.2730

# Conversions

## Conversions Part 2

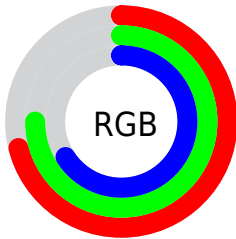
<b>Format</b>	<b>Color</b>
<b>RYB</b>	168, 191, 178
Decimal	11911080
CIELab	76.02, -7.63, 10.42
CIELCh	76, 12.914, 126.200
Yxy	49.9125, 0.3220, 0.3591
Android (android.graphics.Color)	4290101160 (0xFFB5BFA8)
YUV	185.3880, -8.5723, -3.8483
Hunter-Lab	70.6488, -10.5560, 12.2557

# Details

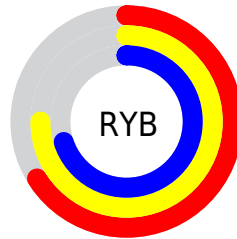
The Yxy color **49.9125, 0.3220, 0.3591** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **41.2366, 0.3026, 0.2987**, and the grayscale version is **48.7928, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.8538, 0.3206, 0.3535**, and **24.0271, 0.3242, 0.3684** is the 20% darker color. If you saturate the color by 10%, you get **48.2798, 0.3296, 0.3861**, and if you desaturate by 10%, it is **51.7140, 0.3143, 0.3339**.

# Distribution



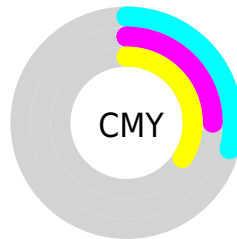
- Red (71%)
- Green (75%)
- Blue (66%)



- Red (66%)
- Yellow (75%)
- Blue (70%)



- Cyan (5%)
- Magenta (0%)
- Yellow (12%)
- Black (25%)




- Cyan (29%)
- Magenta (25%)
- Yellow (34%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 49.9125, 0.3220, 0.3591 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 49.9125, 0.3220, 0.3591 by changing the saturation by 10% instead.




 49.9125, 0.3220,  
0.3591


 49.9125, 0.3220,  
0.3591


386.3237, 0.3175,  
0.3440

 35.3439, 0.3231,  
0.3629


 90.0452, 0.3204,  
0.3536

 23.9279, 0.3244,  
0.3678


 116.3781, 0.3198,  
0.3515

 15.2801, 0.3261,  
0.3743


147.4012, 0.3193,  
0.3498

 9.0162, 0.3285,  
0.3834

183.4989, 0.3188,  
0.3483

 4.7518, 0.3317,  
0.3970

225.0556, 0.3184,  
0.3470

 2.1024, 0.3364,  
0.4197

272.4557, 0.3181,

 0.6660, 0.4015,

0.3459

0.5985

326.0836, 0.3178,  
0.3449

0.0000, 0.0000,  
0.0000

49.9125, 0.3220,  
0.3591

49.9125, 0.3220,  
0.3591

48.2798, 0.3296,  
0.3861

51.7140, 0.3143,  
0.3339

46.8037, 0.3369,  
0.4145

53.6831, 0.3067,  
0.3107

45.4806, 0.3433,  
0.4434


55.8269, 0.2994,  
0.2897

44.3041, 0.3485,  
0.4719


58.1502, 0.2925,  
0.2707

43.2672, 0.3520,  
0.4986


60.0971, 0.2915,  
0.2616

 42.3623, 0.3534,  
0.5223

 61.4454, 0.2976,  
0.2628

 41.5809, 0.3526,  
0.5415

 62.8593, 0.3038,  
0.2640

 40.9127, 0.3494,  
0.5555

 64.3397, 0.3100,  
0.2652

 40.4474, 0.3457,  
0.5637

 65.7429, 0.3157,  
0.2663

# Harmonies

## Analogous

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



49.9125, 0.3376, 0.3590



49.9125, 0.3220, 0.3591



49.9125, 0.3042, 0.3505

# Triad

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



49.9125, 0.3220, 0.3591



49.9125, 0.2799, 0.3064



49.9125, 0.3367, 0.3219

# Complementary

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



49.9125, 0.3220, 0.3591



41.2366, 0.3026, 0.2987

# 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.



49.9125, 0.3206, 0.3089



49.9125, 0.3220, 0.3591



49.9125, 0.2880, 0.2998

# Square

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



49.9125, 0.3220, 0.3591



49.9125, 0.2803, 0.3194



49.9125, 0.3027, 0.3008



49.9125, 0.3463, 0.3371



# Rectangle

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



49.9125, 0.3220, 0.3591



49.9125, 0.2936, 0.3411



49.9125, 0.3027, 0.3008



49.9125, 0.3318, 0.3172

# Sweetspot

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



49.9147, 0.3220, 0.3591



91.9400, 0.3158, 0.3388



45.7345, 0.3325, 0.3420



20.1340, 0.3164, 0.3407



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.



49.9147, 0.3220, 0.3591



88.7302, 0.3237, 0.3649



48.5856, 0.3125, 0.3600



10.9084, 0.3199, 0.3521



26.6289, 0.3466, 0.5630



1.0811, 0.3638, 0.5493



# Inverse Universe

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



41.2366, 0.3026, 0.2987



70.6434, 0.3005, 0.2928



42.6496, 0.3127, 0.2996



9.4228, 0.3050, 0.3058



3.7283, 0.1915, 0.0828



0.1848, 0.2195, 0.0983



# Previews

## White Background



This preview shows how the Yxy color 49.9125, 0.3220, 0.3591 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 49.9125, 0.3220, 0.3591 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

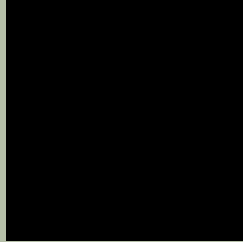
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

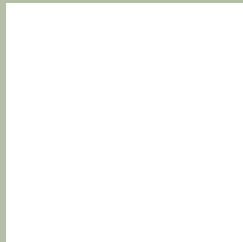
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 49.9125, 0.3220, 0.3591**

## Background



This preview shows how black text looks on a background with the Yxy color 49.9125, 0.3220, 0.3591.



This preview shows how white text looks on a background with the Yxy color 49.9125, 0.3220, 0.3591.

# 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

49.9125, 0.3220, 0.3591

### Protanopia

50.0296, 0.3371, 0.3556

### Deuteranopia

49.9471, 0.3492, 0.3424



## Tritanopia

49.7740, 0.3014, 0.3102

# Trichromacy



## Original Color

49.9125, 0.3220, 0.3591

## Protanomaly

49.8328, 0.3317, 0.3559

## Deuteranomaly

49.9800, 0.3394, 0.3490

## Tritanomaly

49.8309, 0.3087, 0.3277

# Monochromacy



## Original Color

49.9125, 0.3220, 0.3591

## Achromatopsia

48.5150, 0.3127, 0.3290

## Achromatomaly

48.9857, 0.3164, 0.3393

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 49.9125, 0.3220, 0.3591 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(181, 191, 168)` looks like.

```
.text, #text, p{  
    color:rgb(181, 191, 168)  
}
```

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(181, 191, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 191, 168) }
```

## Border

The CSS property to change the border of an element to Yxy 49.9125, 0.3220, 0.3591 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(181, 191, 168) }
```

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

```
.border{ border-color:rgb(181, 191, 168) }
```

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

Here you see how a box with a 4 pixel `rgb(181, 191, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 191, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 191, 168);  
box-shadow:4px 4px 4px 4px rgb(181, 191,  
168) }
```



# Background

The CSS property to change the background color of an element to Yxy 49.9125, 0.3220, 0.3591 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 191, 168) }
```

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

```
.background{ background-color: rgb(181,  
191, 168) }
```

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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