

# Converting Colors

$Yxy(50.3232, 0.3220, 0.3425)$

Have a look what the booklet for  
Yxy(50.3232, 0.3220, 0.3425)  
contains.

<b>Yxy(50.5567, 0.3220, 0.3430)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# Color

**Yxy(50.5567, 0.3220, 0.3430)**

# Conversions

## Conversions Part 1

Format	Color
Hex	BEBDB2
RGB	190, 189, 178
RGB Percent	75%, 74%, 70%
CMY	0.2551, 0.2588, 0.3019
CMYK	0.00, 0.00, 0.06, 0.26
HSL	55°, 8%, 72%
HSV	55°, 6%, 74%
XYZ	47.4614, 50.5567, 49.3775
YIQ	188.0450, 4.1270, -3.2090

# Conversions

## Conversions Part 2

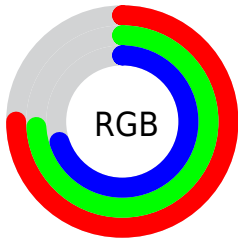
<b>Format</b>	<b>Color</b>
<b>RYB</b>	179, 190, 178
Decimal	12500402
CIELab	76.41, -1.64, 5.67
CIELCh	76, 5.902, 106.136
Yxy	50.5567, 0.3220, 0.3430
Android (android.graphics.Color)	4290690482 (0xFFBEBDB2)
YUV	188.0450, -4.9522, 1.7145
Hunter-Lab	71.1032, -5.2820, 8.5984

# Details

The Yxy color  $50.5567, 0.3220, 0.3430$  is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be  $45.4006, 0.3032, 0.3146$ , and the grayscale version is  $50.3415, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $90.8382, 0.3200, 0.3399$ , and  $24.4074, 0.3254, 0.3480$  is the 20% darker color. If you saturate the color by 10%, you get  $49.2058, 0.3373, 0.3659$ , and if you desaturate by 10%, it is  $52.0244, 0.3074, 0.3210$ .

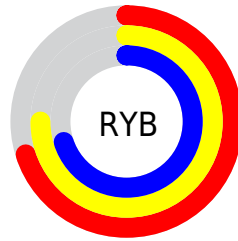
# Distribution



Red (75%)

Green (74%)

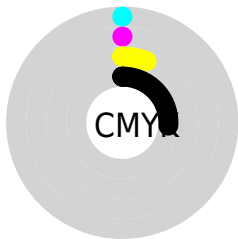
Blue (70%)



Red (70%)

Yellow (75%)

Blue (70%)

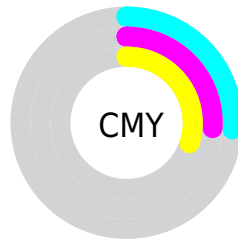


Cyan (0%)

Magenta (0%)

Yellow (6%)

Black (26%)



Cyan (26%)

Magenta (26%)

Yellow (30%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 50.5567, 0.3220, 0.3430 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 50.5567, 0.3220, 0.3430 by changing the saturation by 10% instead.



■ 50.5567, 0.3220,  
0.3430

■ 50.5567, 0.3220,  
0.3430

388.8390, 0.3174,  
0.3361

■ 35.8559, 0.3231,  
0.3447

■ 90.9992, 0.3204,  
0.3405

■ 24.3230, 0.3245,  
0.3469

117.5097, 0.3197,  
0.3396

■ 15.5734, 0.3264,  
0.3498

148.7255, 0.3192,  
0.3388

■ 9.2228, 0.3290,  
0.3538

185.0311, 0.3188,  
0.3381

■ 4.8868, 0.3328,  
0.3597

226.8109, 0.3184,  
0.3375

■ 2.1810, 0.3389,  
0.3694

274.4492, 0.3180,

■ 0.7096, 0.3688,

0.3369

0.4125

328.3304, 0.3177,  
0.3365

0.0000, 0.0000,  
0.0000

50.5567, 0.3220,  
0.3430

50.5567, 0.3220,  
0.3430

49.2058, 0.3373,  
0.3659

52.0244, 0.3074,  
0.3210

47.9606, 0.3531,  
0.3891

53.6063, 0.2938,  
0.3001

46.8189, 0.3688,  
0.4119

55.3085, 0.2812,  
0.2807

45.7756, 0.3841,  
0.4334

57.1347, 0.2696,  
0.2627

44.8252, 0.3981,  
0.4528

57.8754, 0.2692,  
0.2635

■ 43.9617, 0.4104,  
0.4689

■ 58.5579, 0.2693,  
0.2652

■ 43.1785, 0.4204,  
0.4812

■ 59.2471, 0.2695,  
0.2669

■ 42.4676, 0.4277,  
0.4891

■ 59.9432, 0.2697,  
0.2687

■ 41.8189, 0.4324,  
0.4928

■ 60.6460, 0.2698,  
0.2704

# Harmonies

## Analogous

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



50.5567, 0.3272, 0.3406



50.5567, 0.3220, 0.3430



50.5567, 0.3144, 0.3416

# Triad

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



50.5567, 0.3220, 0.3430



50.5567, 0.2973, 0.3226



50.5567, 0.3190, 0.3215

# Complementary

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



50.5567, 0.3220, 0.3430



45.4006, 0.3032, 0.3146

# 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.



50.5567, 0.3109, 0.3168



50.5567, 0.3220, 0.3430



50.5567, 0.2984, 0.3174

# Square

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



50.5567, 0.3220, 0.3430



50.5567, 0.3002, 0.3297



50.5567, 0.3034, 0.3153



50.5567, 0.3254, 0.3282



# Rectangle

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



50.5567, 0.3220, 0.3430



50.5567, 0.3090, 0.3386



50.5567, 0.3034, 0.3153



50.5567, 0.3164, 0.3197

# Sweetspot

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



50.5589, 0.3220, 0.3430



92.7696, 0.3157, 0.3335



46.0390, 0.3224, 0.3278



20.3772, 0.3155, 0.3333



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.



50.5589, 0.3220, 0.3430



91.1973, 0.3248, 0.3472



50.3360, 0.3177, 0.3444



10.9881, 0.3266, 0.3499



27.7187, 0.4337, 0.4939



1.1244, 0.4299, 0.4969



# Inverse Universe

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



45.4006, 0.3032, 0.3146



79.2670, 0.3003, 0.3102



45.6237, 0.3075, 0.3136



9.3432, 0.2984, 0.3072



2.7469, 0.1517, 0.0659



0.1493, 0.1577, 0.0878



# Previews

## White Background



This preview shows how the Yxy color 50.5567, 0.3220, 0.3430 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

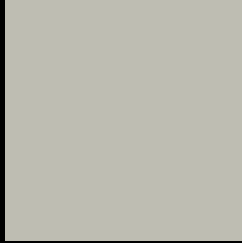
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 50.5567, 0.3220, 0.3430 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

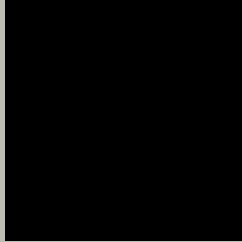
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

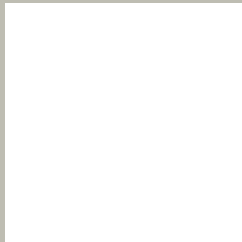
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 50.5567, 0.3220, 0.3430**

## **Background**



This preview shows how black text looks on a background with the Yxy color 50.5567, 0.3220, 0.3430.



This preview shows how white text looks on a background with the Yxy color 50.5567, 0.3220, 0.3430.

# 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

50.5567, 0.3220, 0.3430

### Protanopia

50.6101, 0.3263, 0.3429

### Deuteranopia

50.4122, 0.3395, 0.3327



## Tritanopia

50.6254, 0.3078, 0.3118

# Trichromacy



## Original Color

50.5567, 0.3220, 0.3430

## Protanomaly

50.4782, 0.3255, 0.3429

## Deuteranomaly

50.6491, 0.3329, 0.3364

## Tritanomaly

50.5529, 0.3130, 0.3228

# Monochromacy



## Original Color

50.5567, 0.3220, 0.3430

## Achromatopsia

50.2886, 0.3127, 0.3290

## Achromatomaly

50.2459, 0.3166, 0.3341

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 50.5567, 0.3220, 0.3430 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(190, 189, 178)` looks like.

```
.text, #text, p{  
    color:rgb(190, 189, 178)  
}
```

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(190, 189, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(190, 189, 178) }
```

## Border

The CSS property to change the border of an element to Yxy 50.5567, 0.3220, 0.3430 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(190, 189, 178) }
```

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

```
.border{ border-color:rgb(190, 189, 178) }
```

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

Here you see how a box with a 4 pixel `rgb(190, 189, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(190, 189, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(190, 189, 178);  
box-shadow:4px 4px 4px 4px rgb(190, 189,  
178) }
```



# Background

The CSS property to change the background color of an element to Yxy 50.5567, 0.3220, 0.3430 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(190, 189, 178) }
```

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

```
.background{ background-color: rgb(190,  
189, 178) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor