

# Converting Colors

Yxy(52.6208, 0.3341, 0.4233)

Have a look what the booklet for  
Yxy(52.6208, 0.3341, 0.4233)  
contains.

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# Color

**Yxy(52.6208, 0.3341, 0.4233)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	A7CB85
RGB	167, 203, 133
RGB Percent	65%, 80%, 52%
CMY	0.3449, 0.2039, 0.4784
CMYK	0.18, 0.00, 0.34, 0.20
HSL	91°, 40%, 66%
HSV	91°, 34%, 80%
XYZ	41.5323, 52.6208, 30.1578
YIQ	184.2560, 1.0140, -29.4020

# Conversions

## Conversions Part 2

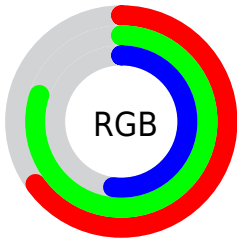
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">133, 203, 169</a>
Decimal	<a href="#">10996613</a>
CIELab	<a href="#">77.65, -24.25, 31.10</a>
CIELCh	<a href="#">78, 39.433, 127.945</a>
Yxy	<a href="#">52.6208, 0.3341, 0.4233</a>
Android (android.graphics.Color)	<a href="#">4289186693 (0xFFA7CB85)</a>
YUV	<a href="#">184.2560, -25.2692, -15.1335</a>
Hunter-Lab	<a href="#">72.5402, -24.7467, 26.1289</a>

# Details

The Yxy color **52.6208, 0.3341, 0.4233** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **29.5170, 0.2833, 0.2355**, and the grayscale version is **48.2286, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.7958, 0.3318, 0.4008**, and **25.6815, 0.3381, 0.4520** is the 20% darker color. If you saturate the color by 10%, you get **51.0245, 0.3390, 0.4534**, and if you desaturate by 10%, it is **54.4217, 0.3283, 0.3939**.

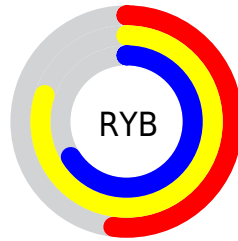
# Distribution



Red (65%)

Green (80%)

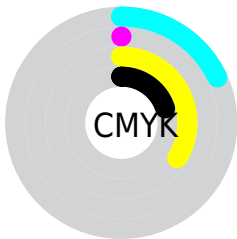
Blue (52%)



Red (52%)

Yellow (80%)

Blue (66%)

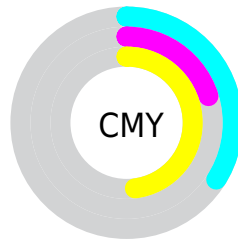


Cyan (18%)

Magenta (0%)

Yellow (34%)

Black (20%)



Cyan (34%)

Magenta (20%)

Yellow (48%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 52.6208, 0.3341, 0.4233 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 52.6208, 0.3341, 0.4233 by changing the saturation by 10% instead.




 52.6208, 0.3341,  
0.4233


 52.6208, 0.3341,  
0.4233


396.8286, 0.3250,  
0.3753


 37.5001, 0.3358,  
0.4354


 94.0461, 0.3312,  
0.4058

 25.5950, 0.3377,  
0.4509


 121.1196, 0.3300,  
0.3992

 16.5209, 0.3395,  
0.4715

 152.9462, 0.3289,  
0.3937

 9.8935, 0.3408,  
0.4999

189.9102, 0.3279,  
0.3889

 5.3284, 0.3399,  
0.5410

232.3960, 0.3271,  
0.3848

 2.4412, 0.3544,  
0.6456

280.7881, 0.3263,

 0.8470, 0.2010,

0.3813

0.7990

335.4708, 0.3256,  
0.3781

0.0000, 0.0000,  
0.0000

52.6208, 0.3341,  
0.4233

52.6208, 0.3341,  
0.4233

51.0245, 0.3390,  
0.4534

54.4217, 0.3283,  
0.3939

49.6175, 0.3425,  
0.4829

56.4282, 0.3221,  
0.3659

48.3930, 0.3443,  
0.5105


58.6499, 0.3156,  
0.3399

47.3408, 0.3441,  
0.5345

61.0938, 0.3092,  
0.3162

46.4496, 0.3417,  
0.5536

63.7665, 0.3029,  
0.2947


 45.7060, 0.3372,  
0.5671

 66.6744, 0.2969,  
0.2754

 45.3467, 0.3343,  
0.5727

 68.4605, 0.3042,  
0.2764

 70.3386, 0.3118,  
0.2776

 71.1896, 0.3151,  
0.2782

# Harmonies

## Analogous

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



52.6208, 0.3823, 0.4189



52.6208, 0.3341, 0.4233



52.6208, 0.2825, 0.3951

# Triad

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



52.6208, 0.3341, 0.4233



52.6208, 0.2202, 0.2592



52.6208, 0.3875, 0.3090

# Complementary

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



52.6208, 0.3341, 0.4233



29.5170, 0.2833, 0.2355

# 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.



52.6208, 0.3378, 0.2740



52.6208, 0.3341, 0.4233



52.6208, 0.2428, 0.2454

# Square

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



52.6208, 0.3341, 0.4233



52.6208, 0.2195, 0.2938



52.6208, 0.2845, 0.2513



52.6208, 0.4158, 0.3502



# Rectangle

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



52.6208, 0.3341, 0.4233



52.6208, 0.2531, 0.3625



52.6208, 0.2845, 0.2513



52.6208, 0.3725, 0.2963

# Sweetspot

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



52.6231, 0.3341, 0.4233



96.0649, 0.3193, 0.3544



42.3939, 0.3781, 0.3739



20.4500, 0.3202, 0.3581



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

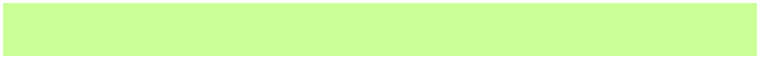


# Same Dimension

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



52.6231, 0.3341, 0.4233



86.1950, 0.3376, 0.4445



49.3898, 0.3079, 0.4313



12.8002, 0.3188, 0.3524



28.9137, 0.3353, 0.5720



1.5367, 0.3505, 0.5599



# Inverse Universe

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



29.5170, 0.2833, 0.2355



42.0358, 0.2755, 0.2146



33.7828, 0.3167, 0.2443



11.1225, 0.3061, 0.3056



4.6819, 0.2058, 0.0907



0.2866, 0.2270, 0.1024



# Previews

## White Background



This preview shows how the Yxy color 52.6208, 0.3341, 0.4233 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 52.6208, 0.3341, 0.4233 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

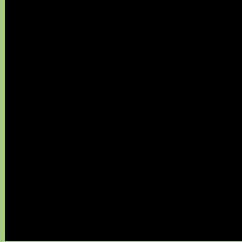
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 52.6208, 0.3341, 0.4233**

## Background



This preview shows how black text looks on a background with the Yxy color 52.6208, 0.3341, 0.4233.



This preview shows how white text looks on a background with the Yxy color 52.6208, 0.3341, 0.4233.

# 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

52.6208, 0.3341, 0.4233

### Protanopia

52.0855, 0.3762, 0.4060

### Deuteranopia

52.0040, 0.3905, 0.3823



## Tritanopia

52.6520, 0.2897, 0.3103

# Trichromacy



**Original Color**

52.6208, 0.3341, 0.4233

**Protanomaly**

51.8484, 0.3598, 0.4119

**Deuteranomaly**

51.5836, 0.3685, 0.3958

**Tritanomaly**

52.2674, 0.3063, 0.3498

# Monochromacy



**Original Color**

52.6208, 0.3341, 0.4233

**Achromatopsia**

47.9320, 0.3127, 0.3290

**Achromatomaly**

49.4432, 0.3218, 0.3634

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 52.6208, 0.3341, 0.4233 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(167, 203, 133)` looks like.

```
.text, #text, p{  
    color:rgb(167, 203, 133)  
}
```

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(167, 203, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 203, 133) }
```

## Border

The CSS property to change the border of an element to Yxy 52.6208, 0.3341, 0.4233 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(167, 203, 133) }
```

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

```
.border{ border-color:rgb(167, 203, 133) }
```

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

Here you see how a box with a 4 pixel `rgb(167, 203, 133)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(167, 203, 133); -webkit-box-shadow:4px 4px 4px 4px rgb(167, 203, 133); box-shadow:4px 4px 4px 4px rgb(167, 203, 133) }
```



# Background

The CSS property to change the background color of an element to Yxy 52.6208, 0.3341, 0.4233 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 203, 133) }
```

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

```
.background{ background-color: rgb(167,  
203, 133) }
```

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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