

# Converting Colors

Yxy(52.6560, 0.3125, 0.3671)

Have a look what the booklet for  
Yxy(52.6560, 0.3125, 0.3671)  
contains.

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# Color

**Yxy(52.5198, 0.3125, 0.3672)**

# Conversions

## Conversions Part 1

| <b>Format</b> | <b>Color</b>                |
|---------------|-----------------------------|
| Hex           | ACC7AA                      |
| RGB           | 172, 199, 170               |
| RGB Percent   | 67%, 78%, 67%               |
| CMY           | 0.3254, 0.2196, 0.3333      |
| CMYK          | 0.14, 0.00, 0.15, 0.22      |
| HSL           | 116°, 21%, 72%              |
| HSV           | 116°, 15%, 78%              |
| XYZ           | 44.6962, 52.5198, 45.8118   |
| YIQ           | 187.6210, -6.7830, -14.7430 |

# Conversions

## Conversions Part 2

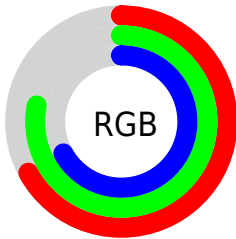
| Format                              | Color                                       |
|-------------------------------------|---|
| <a href="#">RYB</a>                 | <a href="#">170, 199, 197</a>               |
| Decimal                             | <a href="#">11323306</a>                    |
| CIELab                              | <a href="#">77.59, -14.59, 11.50</a>        |
| CIELCh                              | <a href="#">78, 18.575, 141.759</a>         |
| Yxy                                 | <a href="#">52.5198, 0.3125, 0.3672</a>     |
| Android<br>(android.graphics.Color) | <a href="#">4289513386<br/>(0xFFACC7AA)</a> |
| YUV                                 | <a href="#">187.6210, -8.6872, -13.6996</a> |
| Hunter-Lab                          | <a href="#">72.4705, -16.7337, 13.2496</a>  |

# Details

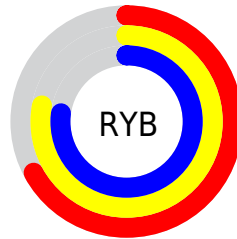
The Yxy color **52.5198, 0.3125, 0.3672** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **44.7406, 0.3126, 0.2932**, and the grayscale version is **50.1196, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.4502, 0.3131, 0.3597**, and **25.4807, 0.3115, 0.3779** is the 20% darker color. If you saturate the color by 10%, you get **49.8739, 0.3121, 0.3974**, and if you desaturate by 10%, it is **55.5760, 0.3127, 0.3402**.

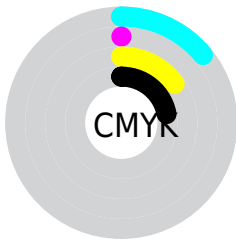
# Distribution



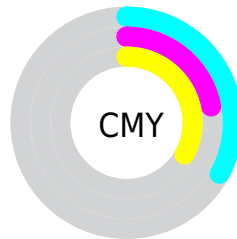
- Red (67%)
- Green (78%)
- Blue (67%)



- Red (67%)
- Yellow (78%)
- Blue (77%)



- Cyan (14%)
- Magenta (0%)
- Yellow (15%)
- Black (22%)




- Cyan (33%)
- Magenta (22%)
- Yellow (33%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 52.5198, 0.3125, 0.3672 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 52.5198, 0.3125, 0.3672 by changing the saturation by 10% instead.





 52.5198, 0.3125,  
0.3672

 52.5198, 0.3125,  
0.3672


396.4401, 0.3128,  
0.3480

 37.4196, 0.3123,  
0.3720


 93.8974, 0.3127,  
0.3602

 25.5325, 0.3121,  
0.3782


120.9435, 0.3127,  
0.3576

 16.4742, 0.3117,  
0.3865

152.7404, 0.3128,  
0.3554

 9.8604, 0.3111,  
0.3980

189.6725, 0.3128,  
0.3535

 5.3065, 0.3098,  
0.4154

232.1241, 0.3128,  
0.3519

 2.4282, 0.3069,  
0.4441


280.4796, 0.3128,


 0.8403, 0.3175,


0.3504


0.6028


335.1235, 0.3128,  
0.3492

 0.0000, 0.0000,  
0.0000


 52.5198, 0.3125,  
0.3672


 52.5198, 0.3125,  
0.3672


 49.8739, 0.3121,  
0.3974


 55.5760, 0.3127,  
0.3402


 47.6144, 0.3114,  
0.4304

 59.0518, 0.3127,  
0.3165


 45.7253, 0.3105,  
0.4651

 62.9647, 0.3126,  
0.2959

 44.1868, 0.3092,  
0.5001

 67.3291, 0.3125,  
0.2781

 42.9772, 0.3076,  
0.5329

 69.3263, 0.3153,  
0.2742

■ 42.0725, 0.3058,  
0.5609

■ 41.4453, 0.3038,  
0.5819

■ 41.0633, 0.3020,  
0.5946

■ 40.9387, 0.3014,  
0.5989

# Harmonies

## Analogous

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



52.5198, 0.3370, 0.3734



52.5198, 0.3125, 0.3672



52.5198, 0.2887, 0.3494

# Triad

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



52.5198, 0.3125, 0.3672



52.5198, 0.2711, 0.2910



52.5198, 0.3553, 0.3297

# Complementary

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



52.5198, 0.3125, 0.3672



44.7406, 0.3126, 0.2932

# 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.



52.5198, 0.3363, 0.3096



52.5198, 0.3125, 0.3672



52.5198, 0.2876, 0.2876

# Square

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



52.5198, 0.3125, 0.3672



52.5198, 0.2654, 0.3046



52.5198, 0.3114, 0.2945



52.5198, 0.3624, 0.3504



# Rectangle

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



52.5198, 0.3125, 0.3672



52.5198, 0.2763, 0.3339



52.5198, 0.3114, 0.2945



52.5198, 0.3501, 0.3227

# Sweetspot

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



52.5220, 0.3125, 0.3672



97.6050, 0.3127, 0.3389



54.7874, 0.3347, 0.3619



20.7980, 0.3127, 0.3409



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

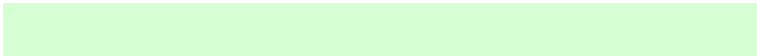


# Same Dimension

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



52.5220, 0.3125, 0.3672



90.6536, 0.3124, 0.3750



52.7734, 0.3024, 0.3511



11.9226, 0.3126, 0.3528



26.3393, 0.3017, 0.5986



1.2597, 0.3078, 0.5938



# Inverse Universe

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



44.7406, 0.3126, 0.2932



74.8231, 0.3126, 0.2864



44.4763, 0.3246, 0.3079



10.7775, 0.3127, 0.3062



9.3091, 0.3036, 0.1446



0.4524, 0.3075, 0.1467



# Previews

## White Background



This preview shows how the Yxy color 52.5198, 0.3125, 0.3672 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 52.5198, 0.3125, 0.3672 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

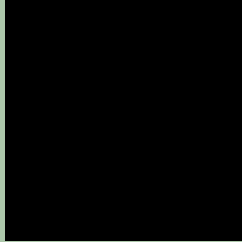
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 52.5198, 0.3125, 0.3672**

## **Background**



This preview shows how black text looks on a background with the Yxy color 52.5198, 0.3125, 0.3672.



This preview shows how white text looks on a background with the Yxy color 52.5198, 0.3125, 0.3672.

# 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

52.5198, 0.3125, 0.3672

### Protanopia

52.4323, 0.3406, 0.3601

### Deuteranopia

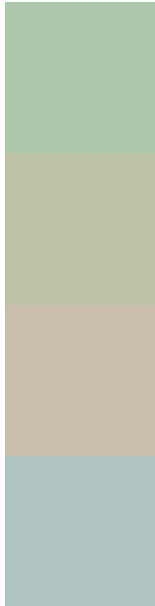
52.4668, 0.3501, 0.3433



## Tritanopia

52.2084, 0.2896, 0.3090

# Trichromacy



**Original Color**

52.5198, 0.3125, 0.3672

**Protanomaly**

52.3207, 0.3299, 0.3634

**Deuteranomaly**

52.2230, 0.3360, 0.3513

**Tritanomaly**

52.2005, 0.2979, 0.3290

# Monochromacy



**Original Color**

52.5198, 0.3125, 0.3672

**Achromatopsia**

50.2886, 0.3127, 0.3290

**Achromatomaly**

50.9806, 0.3129, 0.3431

# CSS Examples

## Text

The CSS property to change the color of the text to  $Yxy$  52.5198, 0.3125, 0.3672 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(172, 199, 170)` looks like.

```
.text, #text, p{  
    color:rgb(172, 199, 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(172, 199, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 199, 170) }
```

## Border

The CSS property to change the border of an element to Yxy 52.5198, 0.3125, 0.3672 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(172, 199, 170) }
```

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

```
.border{ border-color:rgb(172, 199, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 199, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 199, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 199, 170);  
box-shadow:4px 4px 4px 4px rgb(172, 199,  
170) }
```



# Background

The CSS property to change the background color of an element to Yxy 52.5198, 0.3125, 0.3672 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 199, 170) }
```

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

```
.background{ background-color: rgb(172,  
199, 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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