

# Converting Colors

Yxy(53.2697, 0.3263, 0.4114)

Have a look what the booklet for  
Yxy(53.2697, 0.3263, 0.4114)  
contains.

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# Color

**Yxy(53.2759, 0.3262, 0.4111)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A6CC8F
RGB	166, 204, 143
RGB Percent	65%, 80%, 56%
CMY	0.3491, 0.2000, 0.4392
CMYK	0.19, 0.00, 0.30, 0.20
HSL	97°, 37%, 68%
HSV	97°, 30%, 80%
XYZ	42.2734, 53.2759, 34.0442
YIQ	185.6840, -3.0670, -27.0270

# Conversions

## Conversions Part 2

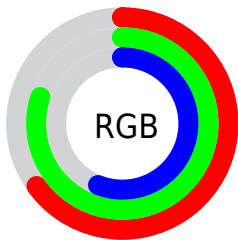
<b>Format</b>	<b>Color</b>
<b>RYB</b>	143, 204, 181
Decimal	10931343
CIELab	78.04, -23.67, 26.39
CIELCh	78, 35.450, 131.894
Yxy	53.2759, 0.3262, 0.4111
Android (android.graphics.Color)	4289121423 (0xFFA6CC8F)
YUV	185.6840, -21.0432, -17.2629
Hunter-Lab	72.9903, -24.3522, 23.4391

# Details

The Yxy color **53.2759, 0.3262, 0.4111** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **33.8360, 0.2943, 0.2503**, and the grayscale version is **49.0371, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.0808, 0.3254, 0.3902**, and **26.0961, 0.3282, 0.4359** is the 20% darker color. If you saturate the color by 10%, you get **51.4079, 0.3297, 0.4422**, and if you desaturate by 10%, it is **55.3969, 0.3220, 0.3814**.

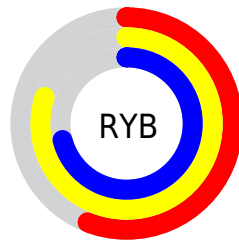
# Distribution



Red (65%)

Green (80%)

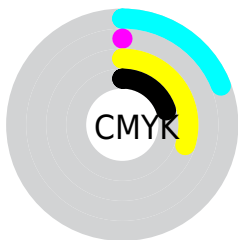
Blue (56%)



Red (56%)

Yellow (80%)

Blue (71%)

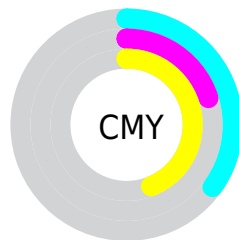


Cyan (19%)

Magenta (0%)

Yellow (30%)

Black (20%)



Cyan (35%)

Magenta (20%)


Yellow (44%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 53.2759, 0.3262, 0.4111 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 53.2759, 0.3262, 0.4111 by changing the saturation by 10% instead.




 53.2759, 0.3262,  
0.4111

 53.2759, 0.3262,  
0.4111


399.3427, 0.3206,  
0.3694

 38.0231, 0.3272,  
0.4216


 95.0102, 0.3245,  
0.3958

 26.0006, 0.3283,  
0.4352


 122.2605, 0.3237,  
0.3901

 16.8241, 0.3292,  
0.4533


154.2787, 0.3230,  
0.3853

 10.1091, 0.3297,  
0.4785

191.4493, 0.3225,  
0.3812

 5.4714, 0.3286,  
0.5155

234.1566, 0.3219,  
0.3777

 2.5264, 0.3315,  
0.5914

282.7850, 0.3214,

 0.8898, 0.2314,

0.3746

0.7686

337.7189, 0.3210,  
0.3718

0.0000, 0.0000,  
0.0000

53.2759, 0.3262,  
0.4111

53.2759, 0.3262,  
0.4111

51.4079, 0.3297,  
0.4422

55.3969, 0.3220,  
0.3814

49.7760, 0.3322,  
0.4737

57.7733, 0.3174,  
0.3539

48.3717, 0.3334,  
0.5041


60.4165, 0.3127,  
0.3288

47.1832, 0.3328,  
0.5317


63.3347, 0.3080,  
0.3062

46.1975, 0.3304,  
0.5547

66.5361, 0.3034,  
0.2860

 45.3997, 0.3263,  
0.5718

 69.3394, 0.3059,  
0.2777

 44.7661, 0.3211,  
0.5832

 71.6703, 0.3151,  
0.2792

 44.7604, 0.3211,  
0.5833

# Harmonies

## Analogous

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



53.2759, 0.3705, 0.4117



53.2759, 0.3262, 0.4111



53.2759, 0.2802, 0.3825

# Triad

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



53.2759, 0.3262, 0.4111



53.2759, 0.2307, 0.2636



53.2759, 0.3843, 0.3160

# Complementary

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



53.2759, 0.3262, 0.4111



33.8360, 0.2943, 0.2503

# 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.



53.2759, 0.3418, 0.2830



53.2759, 0.3262, 0.4111



53.2759, 0.2538, 0.2531

# Square

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



53.2759, 0.3262, 0.4111



53.2759, 0.2274, 0.2928



53.2759, 0.2936, 0.2605



53.2759, 0.4063, 0.3538



# Rectangle

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



53.2759, 0.3262, 0.4111



53.2759, 0.2548, 0.3527



53.2759, 0.2936, 0.2605



53.2759, 0.3717, 0.3042

# Sweetspot

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



53.2782, 0.3262, 0.4111



95.9956, 0.3170, 0.3518



47.7178, 0.3653, 0.3764



20.4159, 0.3177, 0.3557



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

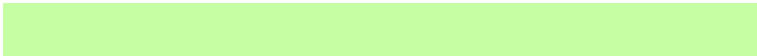


# Same Dimension

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



53.2782, 0.3262, 0.4111



86.1455, 0.3286, 0.4314



51.2366, 0.3040, 0.4052



12.7393, 0.3172, 0.3526



28.2191, 0.3221, 0.5825



1.4989, 0.3379, 0.5699



# Inverse Universe

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



33.8360, 0.2943, 0.2503



48.7689, 0.2891, 0.2318



36.5123, 0.3228, 0.2631



11.1845, 0.3079, 0.3057



5.6477, 0.2291, 0.1036



0.3339, 0.2471, 0.1135



# Previews

## White Background



This preview shows how the Yxy color 53.2759, 0.3262, 0.4111 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 53.2759, 0.3262, 0.4111 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

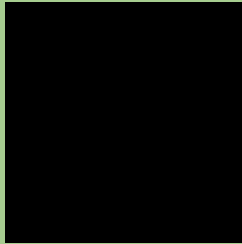
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 53.2759, 0.3262, 0.4111**

## **Background**



This preview shows how black text looks on a background with the Yxy color 53.2759, 0.3262, 0.4111.



This preview shows how white text looks on a background with the Yxy color 53.2759, 0.3262, 0.4111.

# 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

53.2759, 0.3262, 0.4111

### Protanopia

52.7996, 0.3680, 0.3952

### Deuteranopia

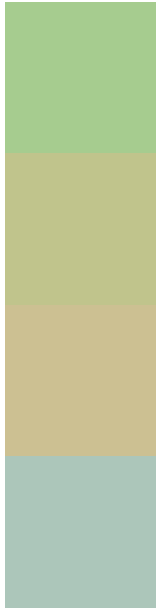
52.9733, 0.3803, 0.3732



## Tritanopia

52.9635, 0.2869, 0.3090

# Trichromacy



**Original Color**

53.2759, 0.3262, 0.4111

**Protanomaly**

52.5798, 0.3519, 0.4004

**Deuteranomaly**

52.6120, 0.3590, 0.3859

**Tritanomaly**

52.7040, 0.3012, 0.3445

# Monochromacy



**Original Color**

53.2759, 0.3262, 0.4111

**Achromatopsia**

49.1021, 0.3127, 0.3290

**Achromatomaly**

50.6259, 0.3186, 0.3591

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 53.2759, 0.3262, 0.4111 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(166, 204, 143)` looks like.

```
.text, #text, p{  
    color:rgb(166, 204, 143)  
}
```

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(166, 204, 143) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 204, 143) }
```

## Border

The CSS property to change the border of an element to Yxy 53.2759, 0.3262, 0.4111 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(166, 204, 143) }
```

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

```
.border{ border-color:rgb(166, 204, 143) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 204, 143)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 204, 143); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 204, 143);  
box-shadow:4px 4px 4px 4px rgb(166, 204,  
143) }
```



# Background

The CSS property to change the background color of an element to Yxy 53.2759, 0.3262, 0.4111 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 204, 143) }
```

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

```
.background{ background-color: rgb(166,  
204, 143) }
```

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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