

# Converting Colors

Yxy(61.0098, 0.3256, 0.4273)

Have a look what the booklet for  
Yxy(61.0098, 0.3256, 0.4273)  
contains.

<b>Yxy(60.9710, 0.3254, 0.4272)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# Color

**Yxy(60.9710, 0.3254, 0.4272)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A8DB8F
RGB	168, 219, 143
RGB Percent	66%, 86%, 56%
CMY	0.3411, 0.1412, 0.4392
CMYK	0.23, 0.00, 0.35, 0.14
HSL	100°, 51%, 71%
HSV	100°, 35%, 86%
XYZ	46.4419, 60.9710, 35.3095
YIQ	195.0870, -6.0000, -34.4480

# Conversions

## Conversions Part 2

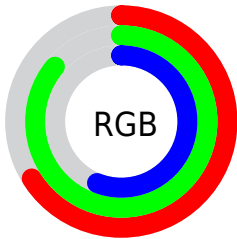
<b>Format</b>	<b>Color</b>
<b>RYB</b>	143, 219, 194
Decimal	11066255
CIELab	82.36, -30.16, 32.19
CIElCh	82, 44.110, 133.142
Yxy	60.9710, 0.3254, 0.4272
Android (android.graphics.Color)	4289256335 (0xFFA8DB8F)
YUV	195.0870, -25.6789, -23.7553
Hunter-Lab	78.0839, -30.4807, 27.8478

# Details

The Yxy color **60.9710, 0.3254, 0.4272** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **36.2287, 0.2937, 0.2372**, and the grayscale version is **54.7906, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.3985, 0.3267, 0.3899**, and **30.9010, 0.3258, 0.4546** is the 20% darker color. If you saturate the color by 10%, you get **58.8507, 0.3278, 0.4594**, and if you desaturate by 10%, it is **63.4083, 0.3222, 0.3962**.

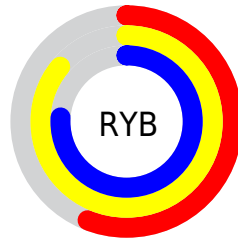
# Distribution



Red (66%)

Green (86%)

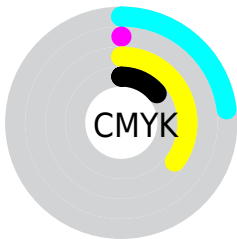
Blue (56%)



Red (56%)

Yellow (86%)

Blue (76%)

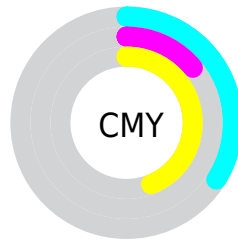


Cyan (23%)

Magenta (0%)

Yellow (35%)

Black (14%)



Cyan (34%)

Magenta (14%)


Yellow (44%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 60.9710, 0.3254, 0.4272 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 60.9710, 0.3254, 0.4272 by changing the saturation by 10% instead.




 60.9710, 0.3254,  
0.4272

 60.9710, 0.3254,  
0.4272


428.1677, 0.3208,  
0.3781

 44.2018, 0.3260,  
0.4393

 106.2369, 0.3241,  
0.4094

 30.8292, 0.3264,  
0.4547


 135.5024, 0.3236,  
0.4028

 20.4688, 0.3265,  
0.4749


169.7022, 0.3230,  
0.3971

 12.7363, 0.3255,  
0.5024

209.2205, 0.3225,  
0.3922

 7.2472, 0.3220,  
0.5415

254.4418, 0.3220,  
0.3880

 3.6172, 0.3162,  
0.6088

305.7505, 0.3216,

 1.4618, 0.2786,

0.3843

0.7214

363.5310, 0.3212,  
0.3810

■ 0.2616, 0.0000,  
1.0000

■ 0.0000, 0.0000,  
0.0000

■ 60.9710, 0.3254,  
0.4272

■ 60.9710, 0.3254,  
0.4272

■ 58.8507, 0.3278,  
0.4594

■ 63.4083, 0.3222,  
0.3962

■ 57.0259, 0.3290,  
0.4914


■ 66.1675, 0.3185,  
0.3671

■ 55.4845, 0.3288,  
0.5214

■ 69.2630, 0.3146,  
0.3406

■ 54.2104, 0.3270,  
0.5476


■ 72.7063, 0.3106,  
0.3167

 53.1854, 0.3235,  
0.5681

 76.5080, 0.3066,  
0.2954

 52.3887, 0.3188,  
0.5820

 79.1428, 0.3144,  
0.2940

 52.0441, 0.3161,  
0.5872

# Harmonies

## Analogous

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



60.9710, 0.3784, 0.4277



60.9710, 0.3254, 0.4272



60.9710, 0.2716, 0.3915

# Triad

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



60.9710, 0.3254, 0.4272



60.9710, 0.2174, 0.2507



60.9710, 0.3997, 0.3148

# Complementary

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



60.9710, 0.3254, 0.4272



36.2287, 0.2937, 0.2372

# 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.



60.9710, 0.3493, 0.2764



60.9710, 0.3254, 0.4272



60.9710, 0.2449, 0.2402

# Square

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



60.9710, 0.3254, 0.4272



60.9710, 0.2125, 0.2833



60.9710, 0.2919, 0.2499



60.9710, 0.4245, 0.3586



# Rectangle

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



60.9710, 0.3254, 0.4272



60.9710, 0.2425, 0.3546



60.9710, 0.2919, 0.2499



60.9710, 0.3849, 0.3011

# Sweetspot

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



60.9736, 0.3254, 0.4272



95.3640, 0.3167, 0.3545



55.4797, 0.3740, 0.3886



20.2809, 0.3173, 0.3584



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

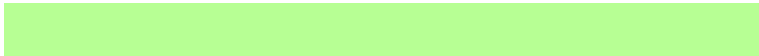


# Same Dimension

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



60.9736, 0.3254, 0.4272



83.7415, 0.3273, 0.4518



58.8923, 0.3003, 0.4149



14.8133, 0.3165, 0.3528



30.9131, 0.3171, 0.5865



2.0487, 0.3297, 0.5764



# Inverse Universe

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



36.2287, 0.2937, 0.2372



43.5440, 0.2881, 0.2160



39.1797, 0.3284, 0.2562



13.0489, 0.3086, 0.3056



6.7674, 0.2397, 0.1094



0.4845, 0.2532, 0.1168



# Previews

## White Background



This preview shows how the Yxy color 60.9710, 0.3254, 0.4272 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 60.9710, 0.3254, 0.4272 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 60.9710, 0.3254, 0.4272**

## **Background**



This preview shows how black text looks on a background with the Yxy color 60.9710, 0.3254, 0.4272.

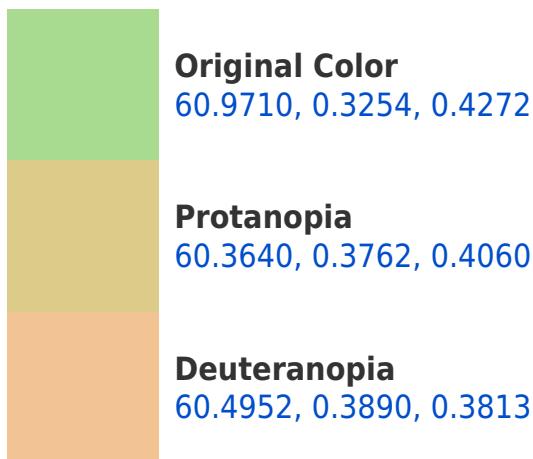


This preview shows how white text looks on a background with the Yxy color 60.9710, 0.3254, 0.4272.

# 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





## Tritanopia

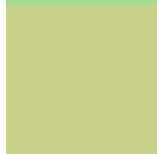
60.8609, 0.2824, 0.3099

# Trichromacy



## Original Color

60.9710, 0.3254, 0.4272



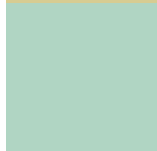
## Protanomaly

60.0216, 0.3571, 0.4136



## Deuteranomaly

59.7081, 0.3645, 0.3971



## Tritanomaly

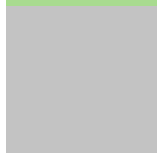
60.7587, 0.2981, 0.3513

# Monochromacy



## Original Color

60.9710, 0.3254, 0.4272



## Achromatopsia

54.5724, 0.3127, 0.3290



## Achromatomaly

56.6346, 0.3180, 0.3643

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 60.9710, 0.3254, 0.4272 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(168, 219, 143)` looks like.

```
.text, #text, p{  
    color:rgb(168, 219, 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(168, 219, 143) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 219, 143) }
```

## Border

The CSS property to change the border of an element to Yxy 60.9710, 0.3254, 0.4272 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(168, 219, 143) }
```

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

```
.border{ border-color:rgb(168, 219, 143) }
```

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

Here you see how a box with a 4 pixel rgb(168, 219, 143) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 219, 143); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 219, 143);  
box-shadow:4px 4px 4px 4px rgb(168, 219,  
143) }
```



# Background

The CSS property to change the background color of an element to Yxy 60.9710, 0.3254, 0.4272 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 219, 143) }
```

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

```
.background{ background-color: rgb(168,  
219, 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](#).

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