

# Converting Colors

Yxy(68.6964, 0.3131, 0.4272)

Have a look what the booklet for  
Yxy(68.6964, 0.3131, 0.4272)  
contains.

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# Color

**Yxy(68.4309, 0.3132, 0.4273)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A3E99B
RGB	163, 233, 155
RGB Percent	64%, 91%, 61%
CMY	0.3608, 0.0863, 0.3923
CMYK	0.30, 0.00, 0.33, 0.09
HSL	114°, 64%, 76%
HSV	114°, 33%, 91%
XYZ	50.1581, 68.4309, 41.5582
YIQ	203.1780, -16.6820, -39.0980

# Conversions

## Conversions Part 2

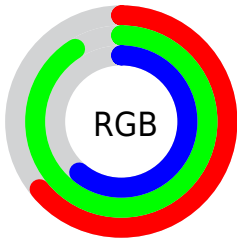
<b>Format</b>	<b>Color</b>
<b>RYB</b>	155, 233, 225
Decimal	10742171
CIELab	86.22, -36.56, 31.17
CIELCh	86, 48.040, 139.550
Yxy	68.4309, 0.3132, 0.4273
Android (android.graphics.Color)	4288932251 (0xFFA3E99B)
YUV	203.1780, -23.7518, -35.2361
Hunter-Lab	82.7230, -36.5338, 28.1201

# Details

The Yxy color **68.4309, 0.3132, 0.4273** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **45.3154, 0.3096, 0.2442**, and the grayscale version is **59.9992, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.3888, 0.3167, 0.3763**, and **35.6748, 0.3115, 0.4540** is the 20% darker color. If you saturate the color by 10%, you get **65.6983, 0.3126, 0.4620**, and if you desaturate by 10%, it is **71.6849, 0.3134, 0.3945**.

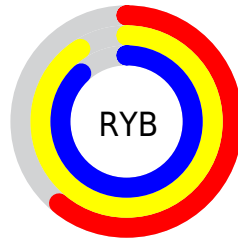
# Distribution



Red (64%)

Green (91%)

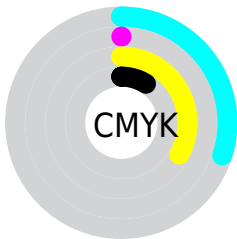
Blue (61%)



Red (61%)

Yellow (91%)

Blue (88%)

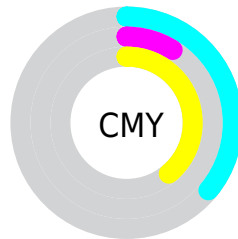


Cyan (30%)

Magenta (0%)

Yellow (33%)

Black (9%)



Cyan (36%)

Magenta (9%)


Yellow (39%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 68.4309, 0.3132, 0.4273 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 68.4309, 0.3132, 0.4273 by changing the saturation by 10% instead.





 68.4309, 0.3132,  
0.4273


 68.4309, 0.3132,  
0.4273


455.0212, 0.3145,  
0.3788

 50.2484, 0.3125,  
0.4391


 116.9684, 0.3140,  
0.4099

 35.6108, 0.3113,  
0.4540


 148.0921, 0.3142,  
0.4033

 24.1337, 0.3093,  
0.4734


184.2983, 0.3143,  
0.3977

 15.4329, 0.3060,  
0.4997

225.9715, 0.3144,  
0.3929

 9.1237, 0.2998,  
0.5368

273.4960, 0.3144,  
0.3887

 4.8220, 0.2872,  
0.5922


327.2562, 0.3145,


 2.1432, 0.2754,


0.3850


0.7246


387.6364, 0.3145,  
0.3817


 0.6888, 0.0000,  
1.0000


 0.0000, 0.0000,  
0.0000


 68.4309, 0.3132,  
0.4273


 68.4309, 0.3132,  
0.4273


 65.6983, 0.3126,  
0.4620


 71.6849, 0.3134,  
0.3945

 63.4517, 0.3116,  
0.4970

 75.4763, 0.3132,  
0.3644

 61.6651, 0.3100,  
0.5300

 79.8310, 0.3129,  
0.3376

 60.3063, 0.3080,  
0.5585

 84.7708, 0.3124,  
0.3140

■ 59.3390, 0.3057,  
0.5801

■ 86.7610, 0.3137,  
0.3078

■ 58.7208, 0.3033,  
0.5935

■ 58.4755, 0.3021,  
0.5984

# Harmonies

## Analogous

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



68.4309, 0.3701, 0.4353



68.4309, 0.3132, 0.4273



68.4309, 0.2590, 0.3829

# Triad

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



68.4309, 0.3132, 0.4273



68.4309, 0.2175, 0.2430



68.4309, 0.4122, 0.3234

# Complementary

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



68.4309, 0.3132, 0.4273



45.3154, 0.3096, 0.2442

# 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.



68.4309, 0.3636, 0.2818



68.4309, 0.3132, 0.4273



68.4309, 0.2508, 0.2370

# Square

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



68.4309, 0.3132, 0.4273



68.4309, 0.2073, 0.2718



68.4309, 0.3032, 0.2511



68.4309, 0.4307, 0.3692



# Rectangle

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



68.4309, 0.3132, 0.4273



68.4309, 0.2315, 0.3426



68.4309, 0.3032, 0.2511



68.4309, 0.3987, 0.3087

# Sweetspot

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



68.4338, 0.3132, 0.4273



94.3825, 0.3131, 0.3548



72.9479, 0.3661, 0.4037



20.0450, 0.3132, 0.3587



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

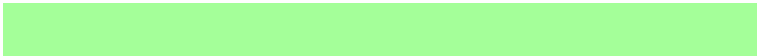


# Same Dimension

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



68.4338, 0.3132, 0.4273



81.6609, 0.3129, 0.4504



68.7437, 0.2911, 0.3894



16.9364, 0.3131, 0.3532



33.2032, 0.3025, 0.5980



2.6323, 0.3083, 0.5934



# Inverse Universe

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



45.3154, 0.3096, 0.2442



49.3225, 0.3086, 0.2275



45.0713, 0.3432, 0.2757



15.2303, 0.3121, 0.3057



11.0602, 0.2951, 0.1399



0.8912, 0.2989, 0.1420



# Previews

## White Background



This preview shows how the Yxy color 68.4309, 0.3132, 0.4273 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 68.4309, 0.3132, 0.4273 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

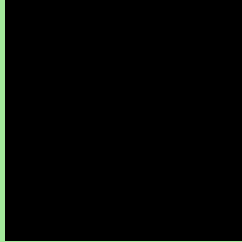
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 68.4309, 0.3132, 0.4273**

## **Background**



This preview shows how black text looks on a background with the Yxy color 68.4309, 0.3132, 0.4273.



This preview shows how white text looks on a background with the Yxy color 68.4309, 0.3132, 0.4273.

# 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

68.4309, 0.3132, 0.4273

### Protanopia

67.8633, 0.3739, 0.4037

### Deuteranopia

67.5985, 0.3840, 0.3761



## Tritanopia

67.9988, 0.2729, 0.3082

# Trichromacy



## Original Color

68.4309, 0.3132, 0.4273



## Protanomaly

67.7100, 0.3498, 0.4129



## Deuteranomaly

66.8306, 0.3555, 0.3939



## Tritanomaly

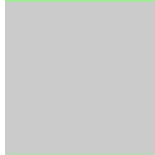
67.8804, 0.2879, 0.3494

# Monochromacy



## Original Color

68.4309, 0.3132, 0.4273



## Achromatopsia

59.7202, 0.3127, 0.3290



## Achromatomaly

62.3297, 0.3126, 0.3632

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 68.4309, 0.3132, 0.4273 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(163, 233, 155)` looks like.

```
.text, #text, p{  
    color:rgb(163, 233, 155)  
}
```

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(163, 233, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 233, 155) }
```

## Border

The CSS property to change the border of an element to Yxy 68.4309, 0.3132, 0.4273 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(163, 233, 155) }
```

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

```
.border{ border-color:rgb(163, 233, 155) }
```

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

Here you see how a box with a 4 pixel rgb(163, 233, 155) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 233, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 233, 155);  
box-shadow:4px 4px 4px 4px rgb(163, 233,  
155) }
```



# Background

The CSS property to change the background color of an element to Yxy 68.4309, 0.3132, 0.4273 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 233, 155) }
```

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

```
.background{ background-color: rgb(163,  
233, 155) }
```

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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