

# Converting Colors

$Y_{xy}(53.1923, 0.3006, 0.2407)$

Have a look what the booklet for  
Yxy(53.1923, 0.3006, 0.2407)  
contains.

<b>Yxy(53.2581, 0.3007, 0.2408)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# Color

**Yxy(53.2581, 0.3007, 0.2408)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EBA9FF
RGB	235, 169, 255
RGB Percent	92%, 66%, 100%
CMY	0.0784, 0.3373, 0.0000
CMYK	0.08, 0.34, 0.00, 0.00
HSL	286°, 100%, 83%
HSV	286°, 34%, 100%
XYZ	66.5063, 53.2581, 101.4071
YIQ	198.5380, 11.7300, 40.7380

# Conversions

## Conversions Part 2

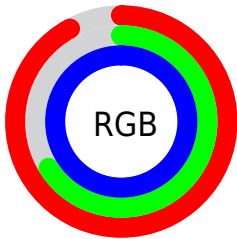
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	235, 169, 255
Decimal	15444479
CIE Lab	78.03, 38.60, -33.20
CIE LCh	78, 50.915, 319.305
Yxy	53.2581, 0.3007, 0.2408
Android (android.graphics.Color)	4293634559 (0xFFEBA9FF)
YUV	198.5380, 27.8358, 31.9772
Hunter-Lab	72.9781, 34.9584, -31.3020

# Details

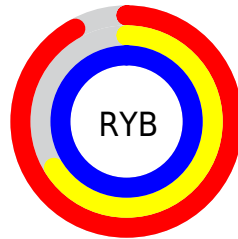
The Yxy color **53.2581, 0.3007, 0.2408** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **85.2002, 0.3200, 0.4266**, and the grayscale version is **56.6381, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.3304, 0.3141, 0.2999**, and **26.0330, 0.2963, 0.2217** is the 20% darker color. If you saturate the color by 10%, you get **43.6865, 0.2958, 0.2143**, and if you desaturate by 10%, it is **64.7140, 0.3050, 0.2678**.

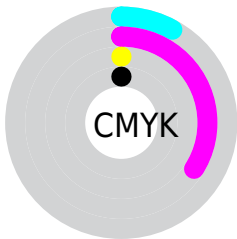
# Distribution



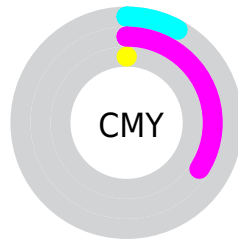
- Red (92%)
- Green (66%)
- Blue (100%)



- Red (92%)
- Yellow (66%)
- Blue (100%)



- Cyan (8%)
- Magenta (34%)
- Yellow (0%)
- Black (0%)




- Cyan (8%)
- Magenta (34%)
- Yellow (0%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 53.2581, 0.3007, 0.2408 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 53.2581, 0.3007, 0.2408 by changing the saturation by 10% instead.




 53.2581, 0.3007,  
0.2408

 53.2581, 0.3007,  
0.2408


399.2746, 0.3076,  
0.2806

 38.0089, 0.2988,  
0.2320


 94.9841, 0.3033,  
0.2544

 25.9896, 0.2964,  
0.2214


122.2295, 0.3043,  
0.2597

 16.8158, 0.2930,  
0.2082


154.2426, 0.3051,  
0.2644

 10.1033, 0.2883,  
0.1915

191.4075, 0.3057,  
0.2684

 5.4675, 0.2813,  
0.1698

234.1088, 0.3063,  
0.2720

 2.5241, 0.2700,  
0.1409

282.7308, 0.3068,

 0.8887, 0.2503,

0.2752

0.1018

337.6579, 0.3072,  
0.2780

0.0000, 0.2222,  
0.0000

0.0000, 0.0000,  
0.0000

53.2581, 0.3007,  
0.2408

53.2581, 0.3007,  
0.2408

43.6865, 0.2958,  
0.2143

64.7140, 0.3050,  
0.2678

35.8898, 0.2902,  
0.1894

78.1527, 0.3087,  
0.2944

29.7489, 0.2842,  
0.1671

93.6671, 0.3117,  
0.3199

25.1293, 0.2780,  
0.1486

100.0000, 0.3127,  
0.3290

■ 21.8752, 0.2716,  
0.1346

■ 19.7966, 0.2654,  
0.1254

■ 18.9225, 0.2616,  
0.1215

# Harmonies

## Analogous

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



53.2581, 0.2415, 0.2249



53.2581, 0.3007, 0.2408



53.2581, 0.3704, 0.2749

# Triad

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



53.2581, 0.3007, 0.2408



53.2581, 0.4282, 0.4205



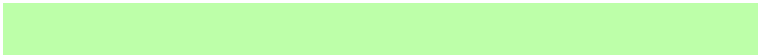
53.2581, 0.2089, 0.3210

# Complementary

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



53.2581, 0.3007, 0.2408



85.2002, 0.3200, 0.4266

# 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.



53.2581, 0.2511, 0.3922



53.2581, 0.3007, 0.2408



53.2581, 0.3776, 0.4512

# Square

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



53.2581, 0.3007, 0.2408



53.2581, 0.4483, 0.3724



53.2581, 0.3127, 0.4442



53.2581, 0.1935, 0.2630



# Rectangle

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



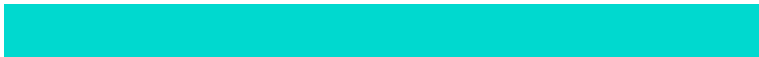
53.2581, 0.3007, 0.2408



53.2581, 0.4114, 0.3048



53.2581, 0.3127, 0.4442



53.2581, 0.2202, 0.3446

# Sweetspot

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



53.2584, 0.3007, 0.2408



83.6893, 0.3099, 0.3040



52.0759, 0.2547, 0.2521



17.4589, 0.3095, 0.3004



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.



53.2584, 0.3007, 0.2408



47.0415, 0.2977, 0.2241



55.4633, 0.3351, 0.2655



18.0752, 0.3101, 0.3053



9.9584, 0.2626, 0.1220



1.0187, 0.2695, 0.1258



# Inverse Universe

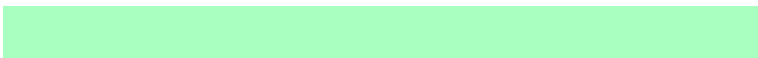
The Inverse Universe completely reimagines the original color for something new.



53.3065, 0.3736, 0.3083



47.2048, 0.3903, 0.3043



83.7569, 0.2961, 0.4024



18.0562, 0.3258, 0.3235



11.2940, 0.5989, 0.3073



1.1156, 0.5679, 0.2902



# Previews

## White Background



This preview shows how the Yxy color 53.2581, 0.3007, 0.2408 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

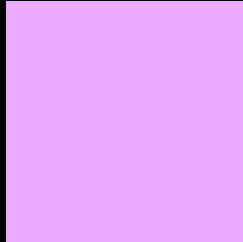
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 53.2581, 0.3007, 0.2408 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 53.2581, 0.3007, 0.2408**

## Background



This preview shows how black text looks on a background with the Yxy color 53.2581, 0.3007, 0.2408.



This preview shows how white text looks on a background with the Yxy color 53.2581, 0.3007, 0.2408.

# 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

53.2581, 0.3007, 0.2408

### Protanopia

53.5956, 0.2588, 0.2552

### Deuteranopia

53.6157, 0.2648, 0.2587



## Tritanopia

53.1566, 0.3402, 0.3132

# Trichromacy



## Original Color

53.2581, 0.3007, 0.2408



## Protanomaly

52.9573, 0.2727, 0.2489



## Deuteranomaly

52.9017, 0.2773, 0.2513



## Tritanomaly

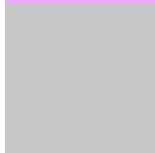
53.1120, 0.3249, 0.2850

# Monochromacy



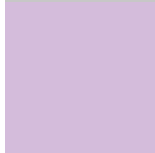
## Original Color

53.2581, 0.3007, 0.2408



## Achromatopsia

57.1125, 0.3127, 0.3290



## Achromatomaly

55.0780, 0.3088, 0.2936

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 53.2581, 0.3007, 0.2408 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(235, 169, 255)` looks like.

```
.text, #text, p{  
    color:rgb(235, 169, 255)  
}
```

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(235, 169, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 169, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 53.2581, 0.3007, 0.2408 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(235, 169, 255) }
```

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

```
.border{ border-color:rgb(235, 169, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(235, 169, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 169, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 169, 255);  
box-shadow:4px 4px 4px 4px rgb(235, 169,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 53.2581, 0.3007, 0.2408 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 169, 255) }
```

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

```
.background{ background-color: rgb(235,  
169, 255) }
```

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