

# Converting Colors

$Y_{xy}(51.8205, 0.3291, 0.2558)$

Have a look what the booklet for  
Yxy(51.8205, 0.3291, 0.2558)  
contains.

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# Color

**Yxy(51.9209, 0.3291, 0.2556)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F9A2EA
RGB	249, 162, 234
RGB Percent	98%, 64%, 92%
CMY	0.0234, 0.3648, 0.0822
CMYK	0.00, 0.35, 0.06, 0.02
HSL	310°, 88%, 81%
HSV	310°, 35%, 98%
XYZ	66.8512, 51.9209, 84.3613
YIQ	196.2210, 28.7400, 40.8360

# Conversions

## Conversions Part 2

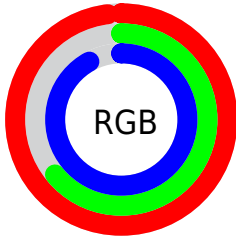
Format	Color
R <sub>Y</sub> B	249, 162, 234
Decimal	16360170
CIE Lab	77.23, 42.79, -22.94
CIE LCh	77, 48.554, 331.799
Yxy	51.9209, 0.3291, 0.2556
Android (android.graphics.Color)	4294550250 (0xFFF9A2EA)
YUV	196.2210, 18.6250, 46.2872
Hunter-Lab	72.0562, 39.5078, -18.9757

# Details

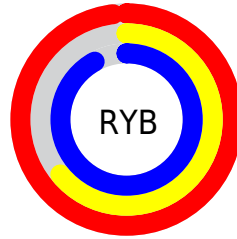
The Yxy color **51.9209, 0.3291, 0.2556** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **78.6278, 0.2999, 0.4157**, and the grayscale version is **55.2163, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.6228, 0.3144, 0.2930**, and **25.2280, 0.3321, 0.2394** is the 20% darker color. If you saturate the color by 10%, you get **43.7586, 0.3351, 0.2354**, and if you desaturate by 10%, it is **61.8310, 0.3237, 0.2768**.

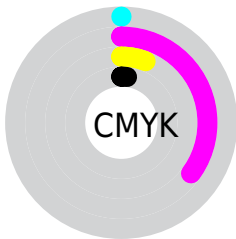
# Distribution



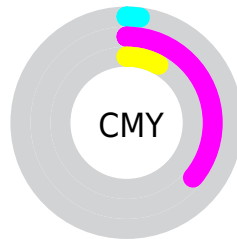
- Red (98%)
- Green (64%)
- Blue (92%)



- Red (98%)
- Yellow (64%)
- Blue (92%)



- Cyan (0%)
- Magenta (35%)
- Yellow (6%)
- Black (2%)




- Cyan (2%)
- Magenta (36%)
- Yellow (8%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 51.9209, 0.3291, 0.2556 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 51.9209, 0.3291, 0.2556 by changing the saturation by 10% instead.





 51.9209, 0.3291,  
0.2556


 51.9209, 0.3291,  
0.2556


394.1312, 0.3221,  
0.2893

 36.9420, 0.3306,  
0.2480


 93.0146, 0.3268,  
0.2672

 25.1626, 0.3323,  
0.2387


 119.8982, 0.3258,  
0.2717

 16.1982, 0.3343,  
0.2271


151.5188, 0.3250,  
0.2756

 9.6645, 0.3368,  
0.2121

188.2608, 0.3243,  
0.2791

 5.1771, 0.3396,  
0.1922

230.5087, 0.3236,  
0.2821

 2.3516, 0.3429,  
0.1647

278.6468, 0.3231,

 0.8008, 0.3456,

0.2847

0.1246

333.0595, 0.3225,  
0.2871

0.0000, 0.3662,  
0.0000

0.0000, 0.0000,  
0.0000

51.9209, 0.3291,  
0.2556

51.9209, 0.3291,  
0.2556

43.7586, 0.3351,  
0.2354

61.8310, 0.3237,  
0.2768

37.2340, 0.3415,  
0.2172

73.5764, 0.3188,  
0.2981

32.2354, 0.3482,  
0.2020

87.2475, 0.3146,  
0.3190

28.6342, 0.3550,  
0.1906

98.6444, 0.3112,  
0.3327

■ 26.2806, 0.3616,  
0.1838

■ 98.8865, 0.3090,  
0.3290

■ 24.9906, 0.3679,  
0.1816

■ 24.6078, 0.3710,  
0.1817

# Harmonies

## Analogous

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



51.9209, 0.2657, 0.2323



51.9209, 0.3291, 0.2556



51.9209, 0.3940, 0.2944

# Triad

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



51.9209, 0.3291, 0.2556



51.9209, 0.4068, 0.4329



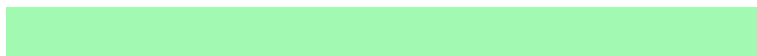
51.9209, 0.2030, 0.2956

# Complementary

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



51.9209, 0.3291, 0.2556



78.6278, 0.2999, 0.4157

# 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.



51.9209, 0.2336, 0.3615



51.9209, 0.3291, 0.2556



51.9209, 0.3503, 0.4490

# Square

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



51.9209, 0.3291, 0.2556



51.9209, 0.4398, 0.3917



51.9209, 0.2868, 0.4230



51.9209, 0.1988, 0.2496



# Rectangle

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



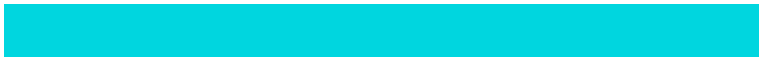
51.9209, 0.3291, 0.2556



51.9209, 0.4260, 0.3258



51.9209, 0.2868, 0.4230



51.9209, 0.2103, 0.3162

# Sweetspot

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



51.9232, 0.3291, 0.2556



84.5158, 0.3167, 0.3085



41.9639, 0.2594, 0.2266



17.6602, 0.3173, 0.3056



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.



51.9232, 0.3291, 0.2556



48.4958, 0.3333, 0.2411



49.7427, 0.3681, 0.2982



17.4702, 0.3164, 0.3096



13.1865, 0.3700, 0.1812



1.2344, 0.3631, 0.1774



# Inverse Universe

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



51.9232, 0.3291, 0.2556



48.4958, 0.3333, 0.2411



80.6221, 0.2775, 0.3626



17.4702, 0.3164, 0.3096



13.1865, 0.3700, 0.1812



1.2344, 0.3631, 0.1774



# Previews

## White Background



This preview shows how the Yxy color 51.9209, 0.3291, 0.2556 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

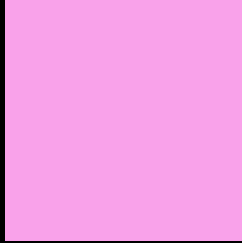
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 51.9209, 0.3291, 0.2556 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

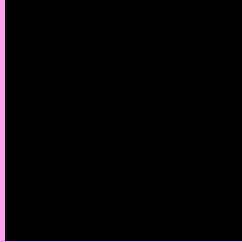
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 51.9209, 0.3291, 0.2556**

## **Background**



This preview shows how black text looks on a background with the Yxy color 51.9209, 0.3291, 0.2556.



This preview shows how white text looks on a background with the Yxy color 51.9209, 0.3291, 0.2556.

# 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

51.9209, 0.3291, 0.2556

### Protanopia

52.3713, 0.2584, 0.2545

### Deuteranopia

52.2742, 0.2854, 0.2794



## Tritanopia

52.0625, 0.3658, 0.3150

# Trichromacy



## Original Color

51.9209, 0.3291, 0.2556



## Protanomaly

51.3115, 0.2810, 0.2537



## Deuteranomaly

51.6074, 0.3000, 0.2693



## Tritanomaly

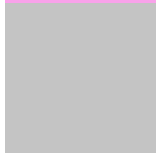
51.7295, 0.3520, 0.2917

# Monochromacy



## Original Color

51.9209, 0.3291, 0.2556



## Achromatopsia

55.2011, 0.3127, 0.3290



## Achromatomaly

53.3812, 0.3183, 0.2991

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 51.9209, 0.3291, 0.2556 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(249, 162, 234)` looks like.

```
.text, #text, p{  
    color:rgb(249, 162, 234)  
}
```

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(249, 162, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(249, 162, 234) }
```

## Border

The CSS property to change the border of an element to Yxy 51.9209, 0.3291, 0.2556 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(249, 162, 234) }
```

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

```
.border{ border-color:rgb(249, 162, 234) }
```

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

Here you see how a box with a 4 pixel `rgb(249, 162, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(249, 162, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(249, 162, 234);  
box-shadow:4px 4px 4px 4px rgb(249, 162,  
234) }
```



# Background

The CSS property to change the background color of an element to Yxy 51.9209, 0.3291, 0.2556 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(249, 162, 234) }
```

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

```
.background{ background-color: rgb(249,  
162, 234) }
```

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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