

# Converting Colors

$Y_{xy}(32.7782, 0.2798, 0.2407)$

Have a look what the booklet for  
Yxy(32.7782, 0.2798, 0.2407)  
contains.

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# Color

**Yxy(32.9560, 0.2802, 0.2414)**

# Conversions

## Conversions Part 1

Format	Color
Hex	AB8FD2
RGB	171, 143, 210
RGB Percent	67%, 56%, 82%
CMY	0.3293, 0.4392, 0.1765
CMYK	0.19, 0.32, 0.00, 0.18
HSL	265°, 43%, 69%
HSV	265°, 32%, 82%
XYZ	38.2530, 32.9560, 65.3113
YIQ	159.0100, -4.8190, 26.7730

# Conversions

## Conversions Part 2

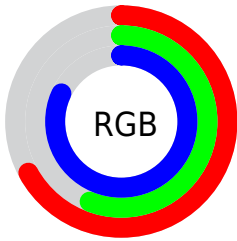
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	171, 143, 210
Decimal	11243474
CIE Lab	64.13, 23.79, -30.52
CIE LCh	64, 38.700, 307.933
Yxy	32.9560, 0.2802, 0.2414
Android (android.graphics.Color)	4289433554 (0xFFAB8FD2)
YUV	159.0100, 25.1381, 10.5152
Hunter-Lab	57.4073, 18.4795, -27.2681

# Details

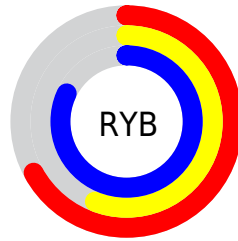
The Yxy color **32.9560, 0.2802, 0.2414** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **58.0119, 0.3378, 0.4144**, and the grayscale version is **34.5622, 0.3127, 0.3290**.

A 20% lighter version of the original color is **63.4834, 0.2949, 0.2686**, and **13.8724, 0.2695, 0.2172** is the 20% darker color. If you saturate the color by 10%, you get **25.9229, 0.2671, 0.2107**, and if you desaturate by 10%, it is **41.2985, 0.2920, 0.2710**.

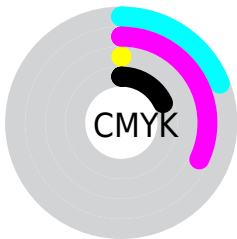
# Distribution



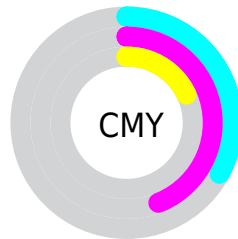
- Red (67%)
- Green (56%)
- Blue (82%)



- Red (67%)
- Yellow (56%)
- Blue (82%)



- Cyan (19%)
- Magenta (32%)
- Yellow (0%)
- Black (18%)




- Cyan (33%)
- Magenta (44%)
- Yellow (18%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 32.9560, 0.2802, 0.2414 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 32.9560, 0.2802, 0.2414 by changing the saturation by 10% instead.





 32.9560, 0.2802,  
0.2414


 32.9560, 0.2802,  
0.2414


315.4514, 0.2979,  
0.2848

 22.0927, 0.2754,  
0.2308


 64.3068, 0.2869,  
0.2570

 13.9251, 0.2690,  
0.2175


 85.5632, 0.2894,  
0.2629

 8.0686, 0.2601,  
0.2001


111.0527, 0.2914,  
0.2679

 4.1389, 0.2473,  
0.1767

141.1598, 0.2931,  
0.2723

 1.7515, 0.2271,  
0.1443

176.2688, 0.2946,  
0.2760

 0.4567, 0.1952,  
0.0868

216.7641, 0.2958,

 0.0000, 0.0000,

0.2793

0.0000

263.0302, 0.2969,  
0.2822

■ 32.9560, 0.2802,  
0.2414

■ 32.9560, 0.2802,  
0.2414

■ 25.9229, 0.2671,  
0.2107

■ 41.2985, 0.2920,  
0.2710

■ 20.1259, 0.2528,  
0.1801

■ 51.0106, 0.3023,  
0.2988

■ 15.4901, 0.2379,  
0.1510

■ 62.1535, 0.3112,  
0.3244

■ 11.9310, 0.2229,  
0.1252

■ 74.7833, 0.3187,  
0.3476

■ 9.3516, 0.2086,  
0.1040

■ 88.9533, 0.3251,  
0.3684

■ 7.6364, 0.1958,  
0.0888

■ 95.4603, 0.3323,  
0.3741

■ 6.7207, 0.1867,  
0.0802

■ 97.4327, 0.3394,  
0.3731

# Harmonies

## Analogous

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



32.9560, 0.2333, 0.2345



32.9560, 0.2802, 0.2414



32.9560, 0.3410, 0.2668

# Triad

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



32.9560, 0.2802, 0.2414



32.9560, 0.4273, 0.3972



32.9560, 0.2313, 0.3463

# Complementary

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



32.9560, 0.2802, 0.2414



58.0119, 0.3378, 0.4144

# 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.



32.9560, 0.2776, 0.4058



32.9560, 0.2802, 0.2414



32.9560, 0.3913, 0.4314

# Square

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



32.9560, 0.2802, 0.2414



32.9560, 0.4310, 0.3517



32.9560, 0.3362, 0.4382



32.9560, 0.2073, 0.2879



# Rectangle

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



32.9560, 0.2802, 0.2414



32.9560, 0.3811, 0.2916



32.9560, 0.3362, 0.4382



32.9560, 0.2445, 0.3674

# Sweetspot

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



32.9573, 0.2802, 0.2414



82.0907, 0.3040, 0.3036



43.9791, 0.2629, 0.2912



17.0717, 0.3026, 0.2998



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.



32.9573, 0.2802, 0.2414



43.8013, 0.2718, 0.2215



37.1915, 0.3111, 0.2490



11.6559, 0.3046, 0.3054



4.1561, 0.1882, 0.0810



0.2785, 0.2092, 0.0926



# Inverse Universe

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



36.7197, 0.3435, 0.2813



50.6262, 0.3521, 0.2714



54.4218, 0.3123, 0.4215



11.9219, 0.3201, 0.3156



9.2374, 0.4604, 0.2310



0.5321, 0.4280, 0.2132



# Previews

## White Background



This preview shows how the Yxy color 32.9560, 0.2802, 0.2414 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

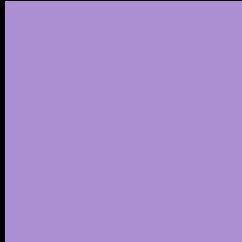
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 32.9560, 0.2802, 0.2414 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

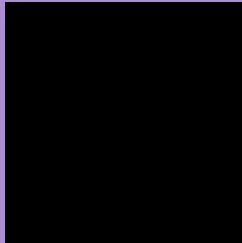
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 32.9560, 0.2802, 0.2414**

## **Background**



This preview shows how black text looks on a background with the Yxy color 32.9560, 0.2802, 0.2414.



This preview shows how white text looks on a background with the Yxy color 32.9560, 0.2802, 0.2414.

# 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

32.9560, 0.2802, 0.2414

### Protanopia

33.0787, 0.2475, 0.2394

### Deuteranopia

33.0873, 0.2584, 0.2520



## Tritanopia

32.9233, 0.3125, 0.3115

# Trichromacy



**Original Color**

32.9560, 0.2802, 0.2414

**Protanomaly**

32.7907, 0.2585, 0.2394

**Deuteranomaly**

32.8706, 0.2660, 0.2470

**Tritanomaly**

32.9381, 0.3001, 0.2840

# Monochromacy



**Original Color**

32.9560, 0.2802, 0.2414

**Achromatopsia**

34.6704, 0.3127, 0.3290

**Achromatomaly**

33.7833, 0.2999, 0.2934

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 32.9560, 0.2802, 0.2414 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(171, 143, 210)` looks like.

```
.text, #text, p{  
    color:rgb(171, 143, 210)  
}
```

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(171, 143, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 143, 210) }
```

## Border

The CSS property to change the border of an element to Yxy 32.9560, 0.2802, 0.2414 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(171, 143, 210) }
```

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

```
.border{ border-color:rgb(171, 143, 210) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 143, 210)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 143, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 143, 210);  
box-shadow:4px 4px 4px 4px rgb(171, 143,  
210) }
```



# Background

The CSS property to change the background color of an element to Yxy 32.9560, 0.2802, 0.2414 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 143, 210) }
```

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

```
.background{ background-color: rgb(171,  
143, 210) }
```

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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