

# Converting Colors

$Yxy(43.8458, 0.2608, 0.2360)$

Have a look what the booklet for  
Yxy(43.8458, 0.2608, 0.2360)  
contains.

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# Color

**Yxy(43.7730, 0.2609, 0.2364)**

# Conversions

## Conversions Part 1

Format	Color
Hex	AFA8F6
RGB	175, 168, 246
RGB Percent	69%, 66%, 96%
CMY	0.3138, 0.3411, 0.0353
CMYK	0.29, 0.32, 0.00, 0.04
HSL	245°, 81%, 81%
HSV	245°, 32%, 96%
XYZ	48.3095, 43.7730, 93.0824
YIQ	178.9850, -20.8660, 25.7420

# Conversions

## Conversions Part 2

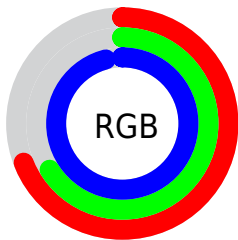
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	175, 168, 246
Decimal	11512054
CIE Lab	72.08, 19.39, -37.96
CIE LCh	72, 42.624, 297.053
Yxy	43.7730, 0.2609, 0.2364
Android (android.graphics.Color)	4289702134 (0xFFAFA8F6)
YUV	178.9850, 33.0384, -3.4948
Hunter-Lab	66.1612, 14.5550, -37.1025

# Details

The Yxy color **43.7730, 0.2609, 0.2364** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **87.0896, 0.3557, 0.4096**, and the grayscale version is **44.8990, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.1512, 0.2986, 0.2964**, and **20.1580, 0.2462, 0.2141** is the 20% darker color. If you saturate the color by 10%, you get **33.1535, 0.2410, 0.2019**, and if you desaturate by 10%, it is **56.5439, 0.2793, 0.2689**.

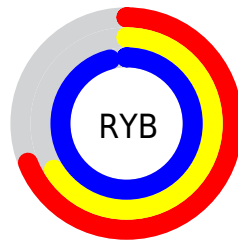
# Distribution



Red (69%)

Green (66%)

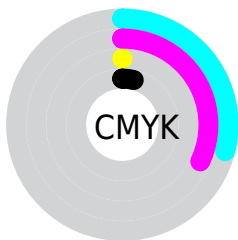
Blue (96%)



Red (69%)

Yellow (66%)

Blue (96%)

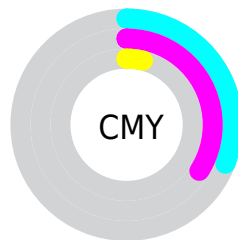


Cyan (29%)

Magenta (32%)

Yellow (0%)

Black (4%)



Cyan (31%)

Magenta (34%)

Yellow (4%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 43.7730, 0.2609, 0.2364 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 43.7730, 0.2609, 0.2364 by changing the saturation by 10% instead.



43.7730, 0.2609,  
0.2364

43.7730, 0.2609,  
0.2364

361.7811, 0.2870,  
0.2802

30.4921, 0.2545,  
0.2263

80.8761, 0.2703,  
0.2517

20.2124, 0.2463,  
0.2139

105.4670, 0.2739,  
0.2576

12.5495, 0.2357,  
0.1982

134.5967, 0.2769,  
0.2627

7.1191, 0.2213,  
0.1780

168.6496, 0.2795,  
0.2671

3.5367, 0.2010,  
0.1513

208.0102, 0.2818,  
0.2710

1.4179, 0.1712,  
0.1154

253.0626, 0.2837,

0.2299, 0.1277,

0.2744


0.0424

304.1915, 0.2855,  
0.2775

 0.0000, 0.0000,  
0.0000

 43.7730, 0.2609,  
0.2364

 43.7730, 0.2609,  
0.2364


 33.1535, 0.2410,  
0.2019


 56.5439, 0.2793,  
0.2689


 24.5620, 0.2204,  
0.1668


 71.5703, 0.2959,  
0.2985

 17.8704, 0.2002,  
0.1335

 88.9557, 0.3104,  
0.3248

 12.9339, 0.1821,  
0.1043

 99.4332, 0.3179,  
0.3376

 9.5866, 0.1674,  
0.0818

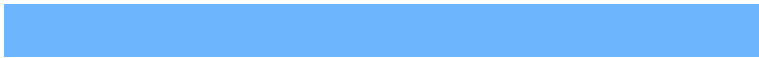
■ 7.6306, 0.1572,  
0.0674

■ 6.8231, 0.1523,  
0.0613

# Harmonies

## Analogous

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



43.7730, 0.2214, 0.2370



43.7730, 0.2609, 0.2364



43.7730, 0.3183, 0.2556

# Triad

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



43.7730, 0.2609, 0.2364



43.7730, 0.4331, 0.3814



43.7730, 0.2457, 0.3693

# Complementary

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



43.7730, 0.2609, 0.2364



87.0896, 0.3557, 0.4096

# 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.



43.7730, 0.2982, 0.4222



43.7730, 0.2609, 0.2364



43.7730, 0.4075, 0.4214

# Square

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



43.7730, 0.2609, 0.2364



43.7730, 0.4234, 0.3347



43.7730, 0.3575, 0.4402



43.7730, 0.2129, 0.3073



# Rectangle

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



43.7730, 0.2609, 0.2364



43.7730, 0.3600, 0.2774



43.7730, 0.3575, 0.4402



43.7730, 0.2615, 0.3895

# Sweetspot

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



43.7747, 0.2609, 0.2364



80.6538, 0.2985, 0.3031



77.0010, 0.2664, 0.3215



16.7262, 0.2963, 0.2992



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.



43.7747, 0.2609, 0.2364



39.8954, 0.2483, 0.2146



48.8852, 0.2902, 0.2436



15.9974, 0.2993, 0.3046



3.6671, 0.1529, 0.0616



0.3459, 0.1595, 0.0652



# Inverse Universe

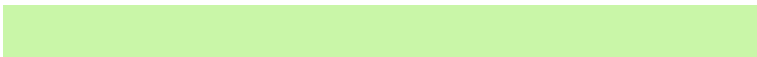
The Inverse Universe completely reimagines the original color for something new.



53.8359, 0.3220, 0.2564



52.4236, 0.3241, 0.2421



81.0819, 0.3291, 0.4171



16.7413, 0.3152, 0.3077



13.3430, 0.3447, 0.1673

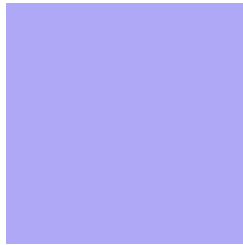


1.1801, 0.3414, 0.1654



# Previews

## White Background



This preview shows how the Yxy color 43.7730, 0.2609, 0.2364 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

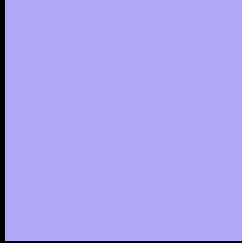
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 43.7730, 0.2609, 0.2364 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

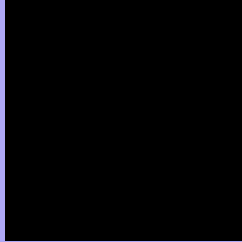
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 43.7730, 0.2609, 0.2364**

## **Background**



This preview shows how black text looks on a background with the Yxy color 43.7730, 0.2609, 0.2364.



This preview shows how white text looks on a background with the Yxy color 43.7730, 0.2609, 0.2364.

# 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

43.7730, 0.2609, 0.2364

### Protanopia

44.0094, 0.2442, 0.2353

### Deuteranopia

43.7347, 0.2481, 0.2414



## Tritanopia

43.5836, 0.2894, 0.3088

# Trichromacy



## Original Color

43.7730, 0.2609, 0.2364

## Protanomaly

43.9217, 0.2501, 0.2360

## Deuteranomaly

43.7790, 0.2530, 0.2401

## Tritanomaly

43.3504, 0.2787, 0.2799

# Monochromacy



## Original Color

43.7730, 0.2609, 0.2364

## Achromatopsia

45.0786, 0.3127, 0.3290

## Achromatomaly

44.4367, 0.2933, 0.2930

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 43.7730, 0.2609, 0.2364 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(175, 168, 246)` looks like.

```
.text, #text, p{  
    color:rgb(175, 168, 246)  
}
```

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(175, 168, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 168, 246) }
```

## Border

The CSS property to change the border of an element to Yxy 43.7730, 0.2609, 0.2364 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(175, 168, 246) }
```

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

```
.border{ border-color:rgb(175, 168, 246) }
```

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

Here you see how a box with a 4 pixel `rgb(175, 168, 246)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 168, 246); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 168, 246);  
box-shadow:4px 4px 4px 4px rgb(175, 168,  
246) }
```



# Background

The CSS property to change the background color of an element to Yxy 43.7730, 0.2609, 0.2364 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 168, 246) }
```

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

```
.background{ background-color: rgb(175,  
168, 246) }
```

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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