

# Converting Colors

$Y_{xy}(43.9091, 0.2948, 0.2153)$

Have a look what the booklet for  
Yxy(43.9091, 0.2948, 0.2153)  
contains.

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**Color**

**Yxy(43.9648, 0.2949, 0.2155)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E491FF
RGB	228, 145, 255
RGB Percent	89%, 57%, 100%
CMY	0.1059, 0.4313, 0.0002
CMYK	0.11, 0.43, 0.00, 0.00
HSL	285°, 100%, 78%
HSV	285°, 43%, 100%
XYZ	60.1634, 43.9648, 99.8848
YIQ	182.3570, 14.1580, 51.8060

# Conversions

## Conversions Part 2

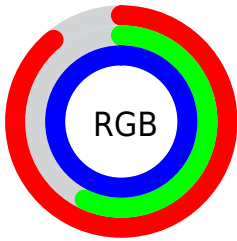
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	228, 145, 255
Decimal	14979583
CIE Lab	72.20, 49.11, -42.25
CIE LCh	72, 64.788, 319.293
Yxy	43.9648, 0.2949, 0.2155
Android (android.graphics.Color)	4293169663 (0xFFE491FF)
YUV	182.3570, 35.8130, 40.0289
Hunter-Lab	66.3060, 45.9285, -42.9016

# Details

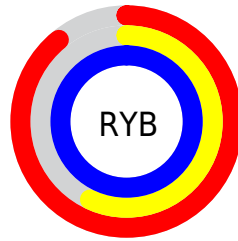
The Yxy color **43.9648, 0.2949, 0.2155** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **82.3044, 0.3218, 0.4578**, and the grayscale version is **46.7808, 0.3127, 0.3290**.

A 20% lighter version of the original color is **69.7886, 0.3152, 0.2752**, and **20.3894, 0.2881, 0.1907** is the 20% darker color. If you saturate the color by 10%, you get **36.0247, 0.2890, 0.1902**, and if you desaturate by 10%, it is **53.6937, 0.3001, 0.2422**.

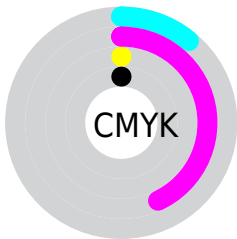
# Distribution



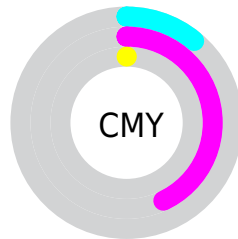
- Red (89%)
- Green (57%)
- Blue (100%)



- Red (89%)
- Yellow (57%)
- Blue (100%)



- Cyan (11%)
- Magenta (43%)
- Yellow (0%)
- Black (0%)




- Cyan (11%)
- Magenta (43%)
- Yellow (0%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 43.9648, 0.2949, 0.2155 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 43.9648, 0.2949, 0.2155 by changing the saturation by 10% instead.





 43.9648, 0.2949,  
0.2155


 43.9648, 0.2949,  
0.2155


362.5646, 0.3055,  
0.2669

 30.6428, 0.2919,  
0.2042


 81.1648, 0.2990,  
0.2330

 20.3270, 0.2880,  
0.1906


 105.8116, 0.3005,  
0.2399

 12.6330, 0.2826,  
0.1739


135.0021, 0.3017,  
0.2459

 7.1763, 0.2750,  
0.1531

169.1208, 0.3027,  
0.2511

 3.5726, 0.2634,  
0.1267

208.5520, 0.3036,  
0.2557

 1.4375, 0.2450,  
0.0931

253.6801, 0.3043,

 0.2441, 0.2175,

0.2599

0.0336

304.8895, 0.3049,  
0.2635

0.0000, 0.1343,  
0.0000

0.0000, 0.0000,  
0.0000

43.9648, 0.2949,  
0.2155

43.9648, 0.2949,  
0.2155

36.0247, 0.2890,  
0.1902

53.6937, 0.3001,  
0.2422

29.7491, 0.2827,  
0.1675

65.3137, 0.3047,  
0.2693

25.0065, 0.2761,  
0.1484

78.9256, 0.3086,  
0.2959

21.6426, 0.2693,  
0.1339

94.6216, 0.3118,  
0.3214

■ 19.4700, 0.2628,  
0.1241

99.9971, 0.3127,  
0.3290

■ 18.4809, 0.2584,  
0.1197

# Harmonies

## Analogous

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



43.9648, 0.2187, 0.1953



43.9648, 0.2949, 0.2155



43.9648, 0.3897, 0.2577

# Triad

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



43.9648, 0.2949, 0.2155



43.9648, 0.4623, 0.4429



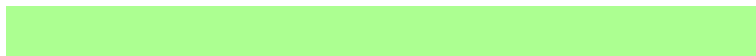
43.9648, 0.1767, 0.3147

# Complementary

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



43.9648, 0.2949, 0.2155



82.3044, 0.3218, 0.4578

# 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.



43.9648, 0.2287, 0.4169



43.9648, 0.2949, 0.2155



43.9648, 0.3932, 0.4922

# Square

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



43.9648, 0.2949, 0.2155



43.9648, 0.4936, 0.3785



43.9648, 0.3080, 0.4907



43.9648, 0.1594, 0.2387



# Rectangle

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



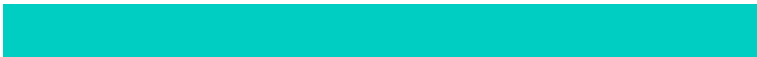
43.9648, 0.2949, 0.2155



43.9648, 0.4464, 0.2946



43.9648, 0.3080, 0.4907



43.9648, 0.1902, 0.3477

# Sweetspot

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



43.9667, 0.2949, 0.2155



79.1337, 0.3086, 0.2963



42.9347, 0.2371, 0.2284



16.2556, 0.3078, 0.2905



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.



43.9667, 0.2949, 0.2155



36.8438, 0.2897, 0.1929



47.0796, 0.3418, 0.2465



18.0629, 0.3098, 0.3053



9.7338, 0.2594, 0.1203



0.9986, 0.2667, 0.1243



# Inverse Universe

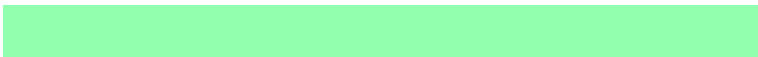
The Inverse Universe completely reimagines the original color for something new.



44.4851, 0.3978, 0.3010



37.6412, 0.4258, 0.2960



80.5109, 0.2931, 0.4297



18.0601, 0.3256, 0.3232



11.3132, 0.5950, 0.3052



1.1179, 0.5637, 0.2879



# Previews

## White Background



This preview shows how the Yxy color 43.9648, 0.2949, 0.2155 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

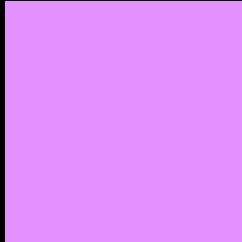
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 43.9648, 0.2949, 0.2155 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

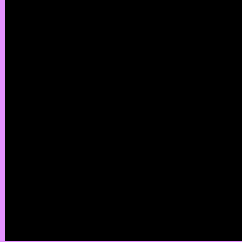
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 43.9648, 0.2949, 0.2155**

## **Background**



This preview shows how black text looks on a background with the Yxy color 43.9648, 0.2949, 0.2155.



This preview shows how white text looks on a background with the Yxy color 43.9648, 0.2949, 0.2155.

# 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

43.9648, 0.2949, 0.2155

### Protanopia

44.3640, 0.2405, 0.2322

### Deuteranopia

44.1749, 0.2449, 0.2384



## Tritanopia

43.8885, 0.3524, 0.3147

# Trichromacy



## Original Color

43.9648, 0.2949, 0.2155



## Protanomaly

43.2359, 0.2571, 0.2237



## Deuteranomaly

43.2193, 0.2610, 0.2278



## Tritanomaly

43.3522, 0.3302, 0.2737

# Monochromacy



## Original Color

43.9648, 0.2949, 0.2155



## Achromatopsia

46.7784, 0.3127, 0.3290



## Achromatomaly

45.1215, 0.3063, 0.2806

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 43.9648, 0.2949, 0.2155 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(228, 145, 255)` looks like.

```
.text, #text, p{  
    color:rgb(228, 145, 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(228, 145, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 145, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 43.9648, 0.2949, 0.2155 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(228, 145, 255) }
```

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

```
.border{ border-color:rgb(228, 145, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(228, 145, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 145, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 145, 255);  
box-shadow:4px 4px 4px 4px rgb(228, 145,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 43.9648, 0.2949, 0.2155 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 145, 255) }
```

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

```
.background{ background-color: rgb(228,  
145, 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](#).

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