

# Converting Colors

$Y_{xy}(24.8458, 0.3167, 0.1701)$

Have a look what the booklet for  
Yxy(24.8458, 0.3167, 0.1701)  
contains.

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**Color**

**Yxy(24.9484, 0.3169, 0.1704)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E03FE3
RGB	224, 63, 227
RGB Percent	88%, 25%, 89%
CMY	0.1214, 0.7532, 0.1097
CMYK	0.01, 0.72, 0.00, 0.11
HSL	299°, 75%, 57%
HSV	299°, 72%, 89%
XYZ	46.3976, 24.9484, 75.0648
YIQ	129.8350, 43.3120, 85.1360

# Conversions

## Conversions Part 2

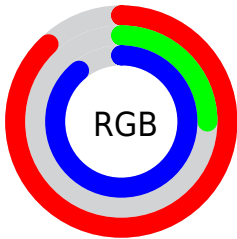
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	224, 63, 227
Decimal	14696419
CIE <sub>Lab</sub>	57.03, 78.93, -50.78
CIE <sub>LCh</sub>	57, 93.849, 327.246
Yxy	24.9484, 0.3169, 0.1704
Android (android.graphics.Color)	4292886499 (0xFFE03FE3)
YUV	129.8350, 47.9023, 82.5827
Hunter-Lab	49.9484, 78.4009, -54.1400

# Details

The Yxy color **24.9484, 0.3169, 0.1704** is a light color, and the websafe version is hex **CC33CC**. The color can be described as light washed magenta. A complement of this color would be **56.4677, 0.3029, 0.5588**, and the grayscale version is **22.0681, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.1472, 0.3185, 0.2063**, and **10.9396, 0.3122, 0.1494** is the 20% darker color. If you saturate the color by 10%, you get **22.8697, 0.3168, 0.1601**, and if you desaturate by 10%, it is **28.0651, 0.3168, 0.1850**.

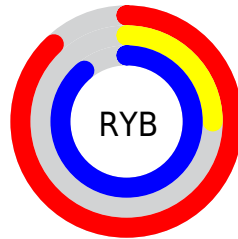
# Distribution



Red (88%)

Green (25%)

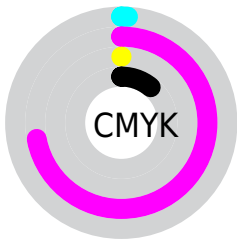
Blue (89%)



Red (88%)

Yellow (25%)

Blue (89%)

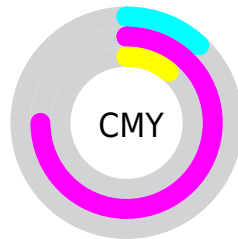


Cyan (1%)

Magenta (72%)

Yellow (0%)

Black (11%)



Cyan (12%)

Magenta (75%)


Yellow (11%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 24.9484, 0.3169, 0.1704 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 24.9484, 0.3169, 0.1704 by changing the saturation by 10% instead.





 24.9484, 0.3169,  
0.1704


 24.9484, 0.3169,  
0.1704


277.5809, 0.3190,  
0.2439


 16.0386, 0.3152,  
0.1543


 51.5735, 0.3186,  
0.1955


 9.5515, 0.3123,  
0.1349

 70.0576, 0.3190,  
0.2054


 5.1026, 0.3074,  
0.1116


 92.5019, 0.3192,  
0.2140

 2.3076, 0.2990,  
0.0837

 119.2909, 0.3193,  
0.2215

 0.7777, 0.2837,  
0.0513

 150.8089, 0.3193,  
0.2281

 0.0000, 0.2596,  
0.0000

187.4403, 0.3192,


 0.0000, 0.1903,


0.2340

0.0000


229.5695, 0.3191,  
0.2392


 0.0000, 0.0000,  
0.0000


 24.9484, 0.3169,  
0.1704


 24.9484, 0.3169,  
0.1704

 22.8697, 0.3168,  
0.1601


 28.0651, 0.3168,  
0.1850

 21.6887, 0.3166,  
0.1540


 32.3299, 0.3164,  
0.2035


 21.2210, 0.3163,  
0.1516

 37.8427, 0.3159,  
0.2250

 44.6919, 0.3153,  
0.2487

 52.9574, 0.3146,  
0.2736

 62.7133, 0.3137,  
0.2988

 74.0283, 0.3129,  
0.3235

 86.9668, 0.3121,  
0.3472

 93.5226, 0.3118,  
0.3576

# Harmonies

## Analogous

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



24.9484, 0.1885, 0.1351



24.9484, 0.3169, 0.1704



24.9484, 0.4846, 0.2332

# Triad

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



24.9484, 0.3169, 0.1704



24.9484, 0.4948, 0.4988



24.9484, 0.0942, 0.2497

# Complementary

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



24.9484, 0.3169, 0.1704



56.4677, 0.3029, 0.5588

# 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.



24.9484, 0.1428, 0.4338



24.9484, 0.3169, 0.1704



24.9484, 0.3700, 0.6047

# Square

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



24.9484, 0.3169, 0.1704



24.9484, 0.5849, 0.3929



24.9484, 0.2451, 0.6131



24.9484, 0.0897, 0.1600



# Rectangle

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



24.9484, 0.3169, 0.1704



24.9484, 0.5709, 0.2833



24.9484, 0.2451, 0.6131



24.9484, 0.1044, 0.3003

# Sweetspot

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



24.9495, 0.3169, 0.1704



69.0881, 0.3145, 0.2740



10.7840, 0.1755, 0.1051



14.1174, 0.3147, 0.2671



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.



24.9495, 0.3169, 0.1704



28.8199, 0.3167, 0.1564



22.0988, 0.4223, 0.2393



14.6012, 0.3135, 0.3058



12.3783, 0.3164, 0.1517



0.9190, 0.3171, 0.1521



# Inverse Universe

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



20.2746, 0.5559, 0.3273



22.4908, 0.6149, 0.3283



57.8880, 0.2714, 0.4591



14.3722, 0.3290, 0.3286



9.5313, 0.6381, 0.3289



0.7058, 0.6324, 0.3258



# Previews

## White Background



This preview shows how the Yxy color 24.9484, 0.3169, 0.1704 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

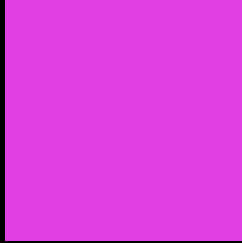
Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail



# Black Background



This preview shows how the Yxy color 24.9484, 0.3169, 0.1704 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

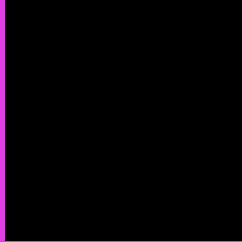
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**Yxy 24.9484, 0.3169, 0.1704**

## Background



This preview shows how black text looks on a background with the Yxy color 24.9484, 0.3169, 0.1704.



This preview shows how white text looks on a background with the Yxy color 24.9484, 0.3169, 0.1704.

# 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

24.9484, 0.3169, 0.1704

### Protanopia

25.3728, 0.1909, 0.1664

### Deuteranopia

25.2821, 0.2175, 0.2110



## Tritanopia

24.8972, 0.4470, 0.3209

# Trichromacy



## Original Color

24.9484, 0.3169, 0.1704



## Protanomaly

21.8297, 0.2164, 0.1544



## Deuteranomaly

22.0700, 0.2428, 0.1807



## Tritanomaly

24.0436, 0.3984, 0.2545

# Monochromacy



## Original Color

24.9484, 0.3169, 0.1704



## Achromatopsia

22.3228, 0.3127, 0.3290



## Achromatomaly

20.9172, 0.3156, 0.2422

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 24.9484, 0.3169, 0.1704 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(224, 63, 227)` looks like.

```
.text, #text, p{  
    color:rgb(224, 63, 227)  
}
```

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(224, 63, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 63, 227) }
```

## Border

The CSS property to change the border of an element to Yxy 24.9484, 0.3169, 0.1704 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(224, 63, 227) }
```

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

```
.border{ border-color:rgb(224, 63, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(224, 63, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 63, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 63, 227);  
box-shadow:4px 4px 4px 4px rgb(224, 63,  
227) }
```



# Background

The CSS property to change the background color of an element to Yxy 24.9484, 0.3169, 0.1704 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 63, 227) }
```

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

```
.background{ background-color: rgb(224, 63,  
227) }
```

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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