

# Converting Colors

$Y_{xy}(29.3577, 0.2901, 0.1642)$

Have a look what the booklet for  
Yxy(29.3577, 0.2901, 0.1642)  
contains.

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**Color**

**Yxy(29.4079, 0.2904, 0.1644)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E054FF
RGB	224, 84, 255
RGB Percent	88%, 33%, 100%
CMY	0.1217, 0.6703, 0.0001
CMYK	0.12, 0.67, 0.00, 0.00
HSL	289°, 100%, 66%
HSV	289°, 67%, 100%
XYZ	51.9468, 29.4079, 97.5255
YIQ	145.3540, 28.5490, 82.8610

# Conversions

## Conversions Part 2

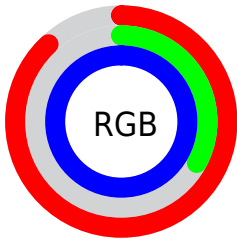
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	224, 84, 255
Decimal	14701823
CIE Lab	61.14, 76.30, -59.79
CIE LCh	61, 96.935, 321.917
Yxy	29.4079, 0.2904, 0.1644
Android (android.graphics.Color)	4292891903 (0xFFE054FF)
YUV	145.3540, 54.0555, 68.9725
Hunter-Lab	54.2291, 76.0869, -68.6667

# Details

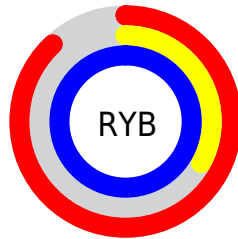
The Yxy color **29.4079, 0.2904, 0.1644** is a light color, and the websafe version is hex **CC66FF**. The color can be described as light muted magenta. A complement of this color would be **75.7964, 0.3153, 0.5379**, and the grayscale version is **28.2429, 0.3127, 0.3290**.

A 20% lighter version of the original color is **48.1249, 0.3178, 0.2213**, and **12.0306, 0.2800, 0.1316** is the 20% darker color. If you saturate the color by 10%, you get **25.4129, 0.2856, 0.1484**, and if you desaturate by 10%, it is **34.8654, 0.2950, 0.1845**.

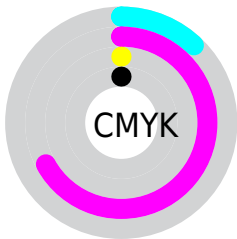
# Distribution



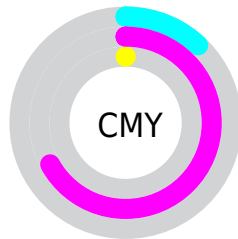
- Red (88%)
- Green (33%)
- Blue (100%)



- Red (88%)
- Yellow (33%)
- Blue (100%)



- Cyan (12%)
- Magenta (67%)
- Yellow (0%)
- Black (0%)




- Cyan (12%)
- Magenta (67%)
- Yellow (0%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 29.4079, 0.2904, 0.1644 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 29.4079, 0.2904, 0.1644 by changing the saturation by 10% instead.





 29.4079, 0.2904,  
0.1644


 29.4079, 0.2904,  
0.1644


299.1347, 0.3059,  
0.2380

 19.3896, 0.2856,  
0.1489


 58.7245, 0.2968,  
0.1890


 11.9521, 0.2791,  
0.1307


 78.7917, 0.2990,  
0.1989

 6.7111, 0.2699,  
0.1091


 102.9772, 0.3008,  
0.2075

 3.2821, 0.2564,  
0.0838

 131.6655, 0.3022,  
0.2150

 1.2807, 0.2361,  
0.0551

165.2411, 0.3034,  
0.2218

 0.1262, 0.2076,  
0.0102

204.0882, 0.3044,

 0.0000, 0.1547,


0.2277


0.0000

248.5912, 0.3052,  
0.2331


 0.0000, 0.0000,  
0.0000


 29.4079, 0.2904,  
0.1644

 29.4079, 0.2904,  
0.1644


 25.4129, 0.2856,  
0.1484

 34.8654, 0.2950,  
0.1845


 22.7116, 0.2807,  
0.1370

 41.9220, 0.2992,  
0.2077


 21.0950, 0.2759,  
0.1301

 50.7027, 0.3030,  
0.2331

 20.7297, 0.2745,  
0.1286

 61.3190, 0.3063,  
0.2595

 73.8729, 0.3091,  
0.2859

 88.4590, 0.3114,  
0.3116

99.9985, 0.3127,  
0.3290

# Harmonies

## Analogous

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



29.4079, 0.1746, 0.1347



29.4079, 0.2904, 0.1644



29.4079, 0.4527, 0.2226

# Triad

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



29.4079, 0.2904, 0.1644



29.4079, 0.5119, 0.4774



29.4079, 0.1022, 0.2770

# Complementary

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



29.4079, 0.2904, 0.1644



75.7964, 0.3153, 0.5379

# 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.



29.4079, 0.1607, 0.4696



29.4079, 0.2904, 0.1644



29.4079, 0.3935, 0.5849

# Square

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



29.4079, 0.2904, 0.1644



29.4079, 0.5901, 0.3780



29.4079, 0.2690, 0.6187



29.4079, 0.0909, 0.1734



# Rectangle

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



29.4079, 0.2904, 0.1644



29.4079, 0.5475, 0.2713



29.4079, 0.2690, 0.6187



29.4079, 0.1155, 0.3328

# Sweetspot

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



29.4091, 0.2904, 0.1644



69.9522, 0.3083, 0.2781



21.4586, 0.1902, 0.1464



14.2099, 0.3076, 0.2707



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.



29.4091, 0.2904, 0.1644



24.4890, 0.2841, 0.1445



31.8162, 0.3784, 0.2192



18.1239, 0.3109, 0.3054



10.8943, 0.2753, 0.1290



1.1022, 0.2807, 0.1320



# Inverse Universe

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



28.8458, 0.4966, 0.3015



24.3327, 0.5515, 0.3037



75.2329, 0.2829, 0.4836



18.0409, 0.3266, 0.3247



11.2285, 0.6127, 0.3149

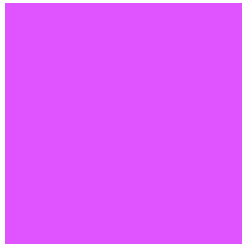


1.1071, 0.5838, 0.2990



# Previews

## White Background



This preview shows how the Yxy color 29.4079, 0.2904, 0.1644 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

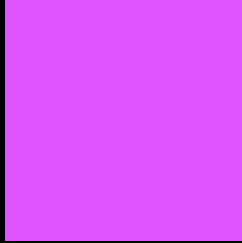
Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail



# Black Background



This preview shows how the Yxy color 29.4079, 0.2904, 0.1644 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

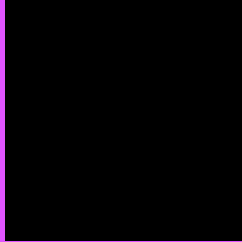
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**Yxy 29.4079, 0.2904, 0.1644**

## Background



This preview shows how black text looks on a background with the Yxy color 29.4079, 0.2904, 0.1644.



This preview shows how white text looks on a background with the Yxy color 29.4079, 0.2904, 0.1644.

# 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

29.4079, 0.2904, 0.1644

### Protanopia

29.7079, 0.2043, 0.1842

### Deuteranopia

29.6899, 0.2048, 0.1977



## Tritanopia

29.0973, 0.4038, 0.3177

# Trichromacy



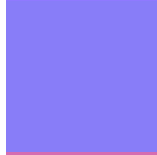
## Original Color

29.4079, 0.2904, 0.1644



## Protanomaly

26.9787, 0.2254, 0.1673



## Deuteranomaly

26.6788, 0.2247, 0.1741



## Tritanomaly

28.2577, 0.3583, 0.2479

# Monochromacy



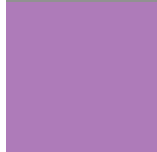
## Original Color

29.4079, 0.2904, 0.1644



## Achromatopsia

28.3149, 0.3127, 0.3290



## Achromatomaly

26.6674, 0.3048, 0.2441

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 29.4079, 0.2904, 0.1644 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, 84, 255)` looks like.

```
.text, #text, p{  
    color:rgb(224, 84, 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(224, 84, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 84, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 29.4079, 0.2904, 0.1644 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, 84, 255) }
```

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

```
.border{ border-color:rgb(224, 84, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(224, 84, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 84, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 84, 255);  
box-shadow:4px 4px 4px 4px rgb(224, 84,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 29.4079, 0.2904, 0.1644 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 84, 255) }
```

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

```
.background{ background-color: rgb(224, 84,  
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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