

# Converting Colors

$Yxy(28.6306, 0.3222, 0.1864)$

Have a look what the booklet for  
Yxy(28.6306, 0.3222, 0.1864)  
contains.

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# Color

**Yxy(28.5447, 0.3215, 0.1860)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E554E3
RGB	229, 84, 227
RGB Percent	90%, 33%, 89%
CMY	0.1021, 0.6704, 0.1098
CMYK	0.00, 0.63, 0.01, 0.10
HSL	301°, 74%, 61%
HSV	301°, 63%, 90%
XYZ	49.3394, 28.5447, 75.5821
YIQ	143.6570, 40.5170, 75.2130

# Conversions

## Conversions Part 2

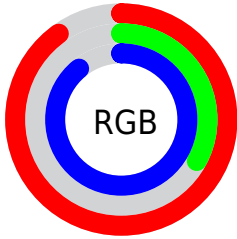
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	229, 84, 227
Decimal	15029475
CIE <sub>Lab</sub>	60.38, 72.63, -45.40
CIE <sub>LCh</sub>	60, 85.650, 327.990
Yxy	28.5447, 0.3215, 0.1860
Android (android.graphics.Color)	4293219555 (0xFFE554E3)
YUV	143.6570, 41.0881, 74.8458
Hunter-Lab	53.4272, 71.3448, -46.4769

# Details

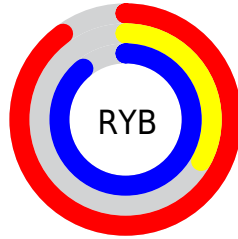
The Yxy color **28.5447, 0.3215, 0.1860** is a light color, and the websafe version is hex **FF66FF**. The color can be described as light muted magenta. A complement of this color would be **58.5771, 0.3024, 0.5312**, and the grayscale version is **27.5715, 0.3127, 0.3290**.

A 20% lighter version of the original color is **48.1249, 0.3178, 0.2213**, and **11.4863, 0.3195, 0.1534** is the 20% darker color. If you saturate the color by 10%, you get **25.5345, 0.3226, 0.1723**, and if you desaturate by 10%, it is **32.7188, 0.3203, 0.2036**.

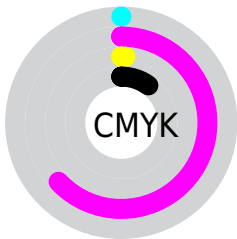
# Distribution



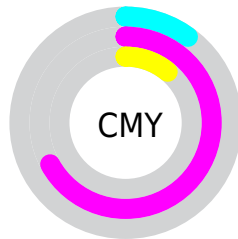
- Red (90%)
- Green (33%)
- Blue (89%)



- Red (90%)
- Yellow (33%)
- Blue (89%)



- Cyan (0%)
- Magenta (63%)
- Yellow (1%)
- Black (10%)




- Cyan (10%)
- Magenta (67%)
- Yellow (11%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 28.5447, 0.3215, 0.1860 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 28.5447, 0.3215, 0.1860 by changing the saturation by 10% instead.





 28.5447, 0.3215,  
0.1860


 28.5447, 0.3215,  
0.1860


295.0606, 0.3205,  
0.2524


 18.7367, 0.3208,  
0.1712


 57.3529, 0.3219,  
0.2088


 11.4802, 0.3194,  
0.1534


 77.1219, 0.3218,  
0.2178

 6.3908, 0.3167,  
0.1315


 100.9800, 0.3216,  
0.2255

 3.0841, 0.3116,  
0.1047

 129.3115, 0.3214,  
0.2323

 1.1758, 0.3016,  
0.0721

162.5010, 0.3212,  
0.2383

 0.0418, 0.2897,  
0.0054

200.9327, 0.3209,

 0.0000, 0.2375,

0.2435


0.0000


244.9911, 0.3207,  
0.2482

 0.0000, 0.0000,  
0.0000


 28.5447, 0.3215,  
0.1860


 28.5447, 0.3215,  
0.1860


 25.5345, 0.3226,  
0.1723


 32.7188, 0.3203,  
0.2036


 23.5664, 0.3234,  
0.1629

 38.1550, 0.3189,  
0.2244

 22.4986, 0.3240,  
0.1578

 44.9458, 0.3175,  
0.2475

 22.1353, 0.3244,  
0.1561

 53.1735, 0.3160,  
0.2719

 62.9144, 0.3145,  
0.2967

■ 74.2390, 0.3132,  
0.3211

■ 87.2137, 0.3118,  
0.3446

■ 93.8559, 0.3112,  
0.3550

■ 93.8733, 0.3110,  
0.3547

# Harmonies

## Analogous

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



28.5447, 0.2037, 0.1517



28.5447, 0.3215, 0.1860



28.5447, 0.4676, 0.2459

# Triad

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



28.5447, 0.3215, 0.1860



28.5447, 0.4827, 0.4942



28.5447, 0.1127, 0.2594

# Complementary

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



28.5447, 0.3215, 0.1860



58.5771, 0.3024, 0.5312

# 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.



28.5447, 0.1604, 0.4165



28.5447, 0.3215, 0.1860



28.5447, 0.3724, 0.5790

# Square

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



28.5447, 0.3215, 0.1860



28.5447, 0.5605, 0.4002



28.5447, 0.2562, 0.5694



28.5447, 0.1073, 0.1762



# Rectangle

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



28.5447, 0.3215, 0.1860



28.5447, 0.5425, 0.2941



28.5447, 0.2562, 0.5694



28.5447, 0.1231, 0.3039

# Sweetspot

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



28.5460, 0.3215, 0.1860



72.8457, 0.3154, 0.2823



13.8901, 0.1897, 0.1257



14.8537, 0.3158, 0.2751



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.



28.5460, 0.3215, 0.1860



31.6710, 0.3228, 0.1689



25.4174, 0.4097, 0.2508



14.6117, 0.3140, 0.3062



12.6621, 0.3243, 0.1560



0.9368, 0.3238, 0.1557



# Inverse Universe

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



28.5460, 0.3215, 0.1860



31.6710, 0.3228, 0.1689



60.3225, 0.2706, 0.4328



14.6117, 0.3140, 0.3062



12.6621, 0.3243, 0.1560



0.9368, 0.3238, 0.1557



# Previews

## White Background



This preview shows how the Yxy color 28.5447, 0.3215, 0.1860 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

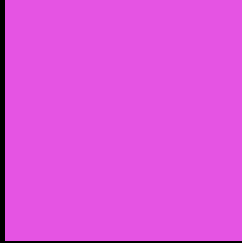
Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail



# Black Background



This preview shows how the Yxy color 28.5447, 0.3215, 0.1860 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

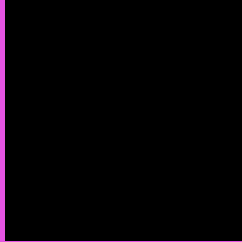
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**Yxy 28.5447, 0.3215, 0.1860**

## **Background**



This preview shows how black text looks on a background with the Yxy color 28.5447, 0.3215, 0.1860.



This preview shows how white text looks on a background with the Yxy color 28.5447, 0.3215, 0.1860.

# 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

28.5447, 0.3215, 0.1860

### Protanopia

28.9457, 0.2024, 0.1812

### Deuteranopia

28.8380, 0.2310, 0.2252



## Tritanopia

28.4432, 0.4307, 0.3197

# Trichromacy



## Original Color

28.5447, 0.3215, 0.1860



## Protanomaly

26.1070, 0.2304, 0.1736



## Deuteranomaly

26.4543, 0.2563, 0.2004



## Tritanomaly

27.8460, 0.3888, 0.2628

# Monochromacy



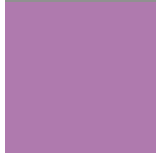
## Original Color

28.5447, 0.3215, 0.1860



## Achromatopsia

27.8894, 0.3127, 0.3290



## Achromatomaly

26.0890, 0.3172, 0.2564

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 28.5447, 0.3215, 0.1860 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(229, 84, 227)` looks like.

```
.text, #text, p{  
    color:rgb(229, 84, 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(229, 84, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 84, 227) }
```

## Border

The CSS property to change the border of an element to Yxy 28.5447, 0.3215, 0.1860 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(229, 84, 227) }
```

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

```
.border{ border-color:rgb(229, 84, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(229, 84, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 84, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 84, 227);  
box-shadow:4px 4px 4px 4px rgb(229, 84,  
227) }
```



# Background

The CSS property to change the background color of an element to Yxy 28.5447, 0.3215, 0.1860 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 84, 227) }
```

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

```
.background{ background-color: rgb(229, 84,  
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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