

# Converting Colors

$Y_{xy}(29.1343, 0.3290, 0.1919)$

Have a look what the booklet for  
Yxy(29.1343, 0.3290, 0.1919)  
contains.

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**Color**

**Yxy(29.1391, 0.3287, 0.1919)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E856DF
RGB	232, 86, 223
RGB Percent	91%, 34%, 87%
CMY	0.0904, 0.6625, 0.1256
CMYK	0.00, 0.63, 0.04, 0.09
HSL	304°, 76%, 62%
HSV	304°, 63%, 91%
XYZ	49.9115, 29.1391, 72.7946
YIQ	145.2720, 43.0390, 73.5590

# Conversions

## Conversions Part 2

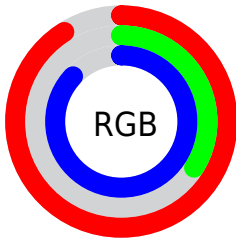
Format	Color
R <sub>Y</sub> B	232, 86, 223
Decimal	15226591
CIE Lab	60.90, 71.91, -42.29
CIE LCh	61, 83.419, 329.540
Yxy	29.1391, 0.3287, 0.1919
Android (android.graphics.Color)	4293416671 (0xFFE856DF)
YUV	145.2720, 38.3199, 76.0605
Hunter-Lab	53.9806, 70.5784, -42.1680

# Details

The Yxy color **29.1391, 0.3287, 0.1919** 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 **60.4931, 0.2998, 0.5218**, and the grayscale version is **28.2690, 0.3127, 0.3290**.

A 20% lighter version of the original color is **48.4265, 0.3177, 0.2221**, and **11.8045, 0.3296, 0.1603** is the 20% darker color. If you saturate the color by 10%, you get **25.9385, 0.3313, 0.1784**, and if you desaturate by 10%, it is **33.5446, 0.3260, 0.2092**.

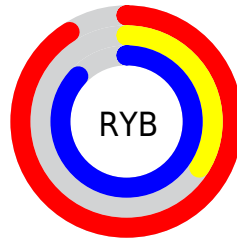
# Distribution



Red (91%)

Green (34%)

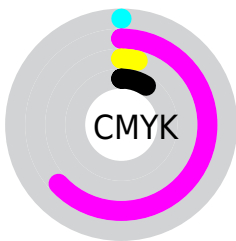
Blue (87%)



Red (91%)

Yellow (34%)

Blue (87%)

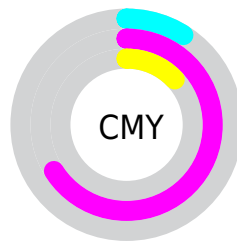


Cyan (0%)

Magenta (63%)

Yellow (4%)

Black (9%)



Cyan (9%)

Magenta (66%)


Yellow (13%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 29.1391, 0.3287, 0.1919 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 29.1391, 0.3287, 0.1919 by changing the saturation by 10% instead.




 29.1391, 0.3287,  
0.1919


 29.1391, 0.3287,  
0.1919


297.8707, 0.3237,  
0.2559

 19.1861, 0.3291,  
0.1775


 58.2980, 0.3275,  
0.2140

 11.8048, 0.3291,  
0.1601


 78.2727, 0.3269,  
0.2226

 6.6109, 0.3283,  
0.1386


 102.3567, 0.3263,  
0.2301

 3.2200, 0.3258,  
0.1120

 130.9345, 0.3257,  
0.2366

 1.2476, 0.3195,  
0.0791

164.3903, 0.3252,  
0.2423

 0.1001, 0.3131,  
0.0136

203.1087, 0.3246,


 0.0000, 0.2693,


0.2474


0.0000


247.4741, 0.3241,  
0.2519


 0.0000, 0.0000,  
0.0000


 29.1391, 0.3287,  
0.1919


 29.1391, 0.3287,  
0.1919

 25.9385, 0.3313,  
0.1784


 33.5446, 0.3260,  
0.2092

 23.8176, 0.3337,  
0.1693


 39.2559, 0.3232,  
0.2295


 22.6315, 0.3358,  
0.1645

 46.3679, 0.3205,  
0.2519


 22.1934, 0.3372,  
0.1631

 54.9656, 0.3179,  
0.2754

 65.1273, 0.3155,  
0.2991

 76.9255, 0.3133,  
0.3224

 90.4287, 0.3113,  
0.3447

 94.6301, 0.3102,  
0.3498

 94.7126, 0.3094,  
0.3483

# Harmonies

## Analogous

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



29.1391, 0.2115, 0.1566



29.1391, 0.3287, 0.1919



29.1391, 0.4696, 0.2519

# Triad

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



29.1391, 0.3287, 0.1919



29.1391, 0.4753, 0.4971



29.1391, 0.1161, 0.2563

# Complementary

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



29.1391, 0.3287, 0.1919



60.4931, 0.2998, 0.5218

# 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.



29.1391, 0.1612, 0.4047



29.1391, 0.3287, 0.1919



29.1391, 0.3672, 0.5748

# Square

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



29.1391, 0.3287, 0.1919



29.1391, 0.5523, 0.4053



29.1391, 0.2535, 0.5554



29.1391, 0.1122, 0.1778



# Rectangle

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



29.1391, 0.3287, 0.1919



29.1391, 0.5395, 0.2998



29.1391, 0.2535, 0.5554



29.1391, 0.1258, 0.2983

# Sweetspot

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



29.1405, 0.3287, 0.1919



72.6976, 0.3170, 0.2844



14.8356, 0.1947, 0.1287



14.8172, 0.3177, 0.2776



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.



29.1405, 0.3287, 0.1919



31.3847, 0.3319, 0.1757



26.0712, 0.4195, 0.2589



14.5991, 0.3147, 0.3072



12.3339, 0.3369, 0.1630



0.9161, 0.3343, 0.1615



# Inverse Universe

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



29.1405, 0.3287, 0.1919



31.3847, 0.3319, 0.1757



62.4305, 0.2672, 0.4212



14.5991, 0.3147, 0.3072



12.3339, 0.3369, 0.1630



0.9161, 0.3343, 0.1615



# Previews

## White Background



This preview shows how the Yxy color 29.1391, 0.3287, 0.1919 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

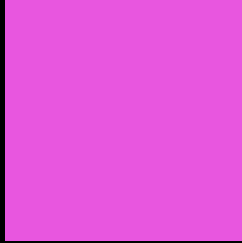
Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail



# Black Background



This preview shows how the Yxy color 29.1391, 0.3287, 0.1919 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

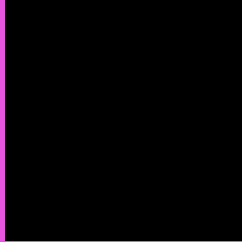
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**Yxy 29.1391, 0.3287, 0.1919**

## Background



This preview shows how black text looks on a background with the Yxy color 29.1391, 0.3287, 0.1919.

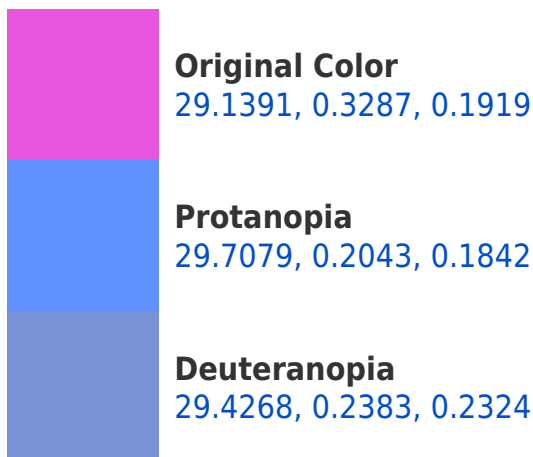


This preview shows how white text looks on a background with the Yxy color 29.1391, 0.3287, 0.1919.

# 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





## Tritanopia

29.0637, 0.4350, 0.3199

# Trichromacy



## Original Color

29.1391, 0.3287, 0.1919



## Protanomaly

26.7480, 0.2341, 0.1784



## Deuteranomaly

27.0021, 0.2639, 0.2070



## Tritanomaly

28.4114, 0.3960, 0.2662

# Monochromacy



## Original Color

29.1391, 0.3287, 0.1919



## Achromatopsia

28.3149, 0.3127, 0.3290



## Achromatomaly

26.7795, 0.3204, 0.2609

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 29.1391, 0.3287, 0.1919 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(232, 86, 223)` looks like.

```
.text, #text, p{  
    color:rgb(232, 86, 223)  
}
```

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(232, 86, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 86, 223) }
```

## Border

The CSS property to change the border of an element to Yxy 29.1391, 0.3287, 0.1919 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(232, 86, 223) }
```

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

```
.border{ border-color:rgb(232, 86, 223) }
```

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

Here you see how a box with a 4 pixel `rgb(232, 86, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 86, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 86, 223);  
box-shadow:4px 4px 4px 4px rgb(232, 86,  
223) }
```



# Background

The CSS property to change the background color of an element to Yxy 29.1391, 0.3287, 0.1919 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 86, 223) }
```

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

```
.background{ background-color: rgb(232, 86,  
223) }
```

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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