

# Converting Colors

$Y_{xy}(29.2389, 0.3681, 0.2250)$

Have a look what the booklet for  
Yxy(29.2389, 0.3681, 0.2250)  
contains.

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**Color**

**Yxy(29.2929, 0.3681, 0.2249)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EC5CC0
RGB	236, 92, 192
RGB Percent	93%, 36%, 75%
CMY	0.0744, 0.6393, 0.2470
CMYK	0.00, 0.61, 0.19, 0.07
HSL	318°, 79%, 64%
HSV	318°, 61%, 93%
XYZ	47.9445, 29.2929, 53.0112
YIQ	146.4560, 53.7240, 61.6280

# Conversions

## Conversions Part 2

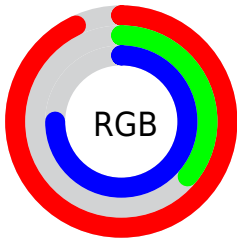
Format	Color
R <sub>YB</sub>	236, 92, 192
Decimal	15490240
CIE Lab	61.04, 65.95, -24.51
CIE LCh	61, 70.360, 339.613
Yxy	29.2929, 0.3681, 0.2249
Android (android.graphics.Color)	4293680320 (0xFFEC5CC0)
YUV	146.4560, 22.4532, 78.5301
Hunter-Lab	54.1229, 63.4082, -20.1861

# Details

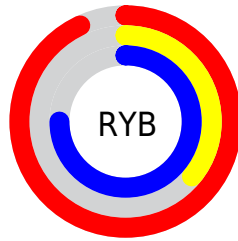
The Yxy color **29.2929, 0.3681, 0.2249** is a light color, and the websafe version is hex **FF66CC**. The color can be described as light muted magenta. A complement of this color would be **64.0618, 0.2846, 0.4692**, and the grayscale version is **28.8277, 0.3127, 0.3290**.

A 20% lighter version of the original color is **49.5944, 0.3225, 0.2315**, and **11.9209, 0.3839, 0.1982** is the 20% darker color. If you saturate the color by 10%, you get **25.5122, 0.3809, 0.2139**, and if you desaturate by 10%, it is **34.3653, 0.3561, 0.2393**.

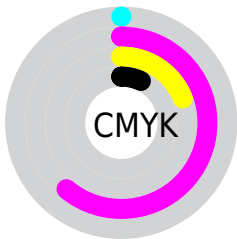
# Distribution



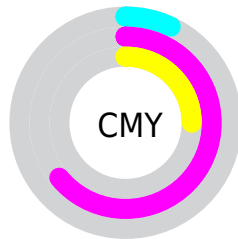
- Red (93%)
- Green (36%)
- Blue (75%)



- Red (93%)
- Yellow (36%)
- Blue (75%)



- Cyan (0%)
- Magenta (61%)
- Yellow (19%)
- Black (7%)




- Cyan (7%)
- Magenta (64%)
- Yellow (25%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 29.2929, 0.3681, 0.2249 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 29.2929, 0.3681, 0.2249 by changing the saturation by 10% instead.





 29.2929, 0.3681,  
0.2249

 29.2929, 0.3681,  
0.2249


298.5944, 0.3408,  
0.2757


 19.3025, 0.3747,  
0.2128

 58.5421, 0.3583,  
0.2430


 11.8891, 0.3831,  
0.1976


 78.5697, 0.3546,  
0.2499

 6.6682, 0.3939,  
0.1780


 102.7119, 0.3514,  
0.2558

 3.2555, 0.4084,  
0.1523

 131.3530, 0.3487,  
0.2608

 1.2665, 0.4285,  
0.1174

164.8774, 0.3464,  
0.2653

 0.1151, 0.4785,  
0.0267

203.6695, 0.3443,

 0.0000, 0.5129,

0.2692

0.0000

248.1137, 0.3425,  
0.2726

0.0000, 0.0000,  
0.0000

29.2929, 0.3681,  
0.2249

29.2929, 0.3681,  
0.2249

25.5122, 0.3809,  
0.2139

34.3653, 0.3561,  
0.2393

22.8959, 0.3941,  
0.2073

40.8324, 0.3451,  
0.2559


21.2983, 0.4071,  
0.2056

48.7918, 0.3353,  
0.2738


20.5169, 0.4185,  
0.2079


58.3307, 0.3268,  
0.2920

69.5300, 0.3195,  
0.3100

 82.4649, 0.3133,  
0.3273

 95.7997, 0.3081,  
0.3414

 96.2428, 0.3041,  
0.3342

 96.5789, 0.3012,  
0.3290

# Harmonies

## Analogous

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



29.2929, 0.2560, 0.1842



29.2929, 0.3681, 0.2249



29.2929, 0.4792, 0.2854

# Triad

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



29.2929, 0.3681, 0.2249



29.2929, 0.4327, 0.5071



29.2929, 0.1338, 0.2402

# Complementary

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



29.2929, 0.3681, 0.2249



64.0618, 0.2846, 0.4692

# 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.



29.2929, 0.1637, 0.3479



29.2929, 0.3681, 0.2249



29.2929, 0.3341, 0.5433

# Square

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



29.2929, 0.3681, 0.2249



29.2929, 0.5082, 0.4318



29.2929, 0.2352, 0.4809



29.2929, 0.1397, 0.1850



# Rectangle

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



29.2929, 0.3681, 0.2249



29.2929, 0.5233, 0.3315



29.2929, 0.2352, 0.4809



29.2929, 0.1393, 0.2700

# Sweetspot

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



29.2943, 0.3681, 0.2249



73.2596, 0.3245, 0.2974



18.8731, 0.2241, 0.1459



14.8900, 0.3268, 0.2921



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.



29.2943, 0.3681, 0.2249



29.5813, 0.3839, 0.2120



26.8625, 0.4666, 0.2994



15.2308, 0.3185, 0.3128



11.3296, 0.4165, 0.2068



0.9067, 0.4000, 0.1977



# Inverse Universe

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



29.2943, 0.3681, 0.2249



29.5813, 0.3839, 0.2120



66.8008, 0.2509, 0.3667



15.2308, 0.3185, 0.3128



11.3296, 0.4165, 0.2068



0.9067, 0.4000, 0.1977



# Previews

## White Background



This preview shows how the Yxy color 29.2929, 0.3681, 0.2249 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

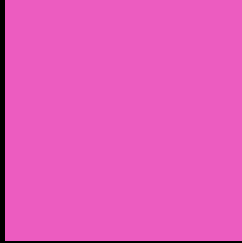
Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail



# Black Background



This preview shows how the Yxy color 29.2929, 0.3681, 0.2249 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

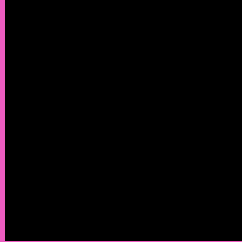
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**Yxy 29.2929, 0.3681, 0.2249**

## **Background**



This preview shows how black text looks on a background with the Yxy color 29.2929, 0.3681, 0.2249.

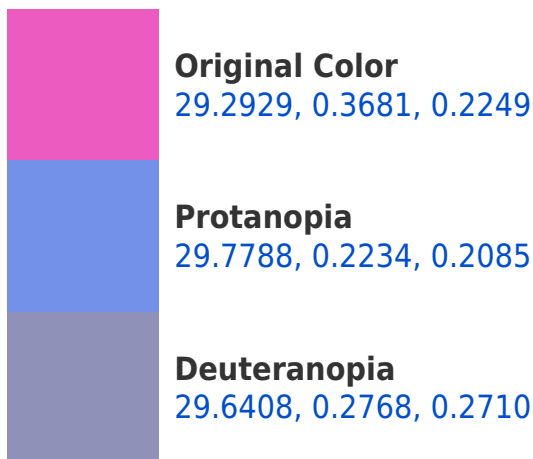


This preview shows how white text looks on a background with the Yxy color 29.2929, 0.3681, 0.2249.

# 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

29.1179, 0.4530, 0.3204

# Trichromacy



## Original Color

29.2929, 0.3681, 0.2249



## Protanomaly

27.3546, 0.2616, 0.2079



## Deuteranomaly

27.8567, 0.3059, 0.2465



## Tritanomaly

28.9006, 0.4230, 0.2827

# Monochromacy



## Original Color

29.2929, 0.3681, 0.2249



## Achromatopsia

28.7441, 0.3127, 0.3290



## Achromatomaly

27.1498, 0.3334, 0.2771

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 29.2929, 0.3681, 0.2249 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(236, 92, 192)` looks like.

```
.text, #text, p{  
    color:rgb(236, 92, 192)  
}
```

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(236, 92, 192) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 92, 192) }
```

## Border

The CSS property to change the border of an element to Yxy 29.2929, 0.3681, 0.2249 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(236, 92, 192) }
```

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

```
.border{ border-color:rgb(236, 92, 192) }
```

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

Here you see how a box with a 4 pixel `rgb(236, 92, 192)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 92, 192); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 92, 192);  
box-shadow:4px 4px 4px 4px rgb(236, 92,  
192) }
```



# Background

The CSS property to change the background color of an element to Yxy 29.2929, 0.3681, 0.2249 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 92, 192) }
```

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

```
.background{ background-color: rgb(236, 92,  
192) }
```

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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