

# Converting Colors

$Y_{xy}(36.3372, 0.3272, 0.2095)$

Have a look what the booklet for  
Yxy(36.3372, 0.3272, 0.2095)  
contains.

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**Color**

**Yxy(36.3372, 0.3272, 0.2095)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F171E8
RGB	241, 113, 232
RGB Percent	95%, 44%, 91%
CMY	0.0548, 0.5569, 0.0902
CMYK	0.00, 0.53, 0.04, 0.05
HSL	304°, 82%, 69%
HSV	304°, 53%, 95%
XYZ	56.7519, 36.3372, 80.3581
YIQ	164.8380, 38.0890, 64.1450

# Conversions

## Conversions Part 2

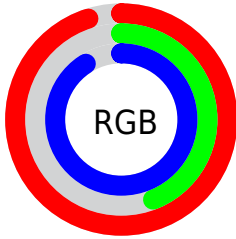
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	241, 113, 232
Decimal	15823336
CIE Lab	66.78, 64.24, -38.02
CIE LCh	67, 74.646, 329.380
Yxy	36.3372, 0.3272, 0.2095
Android (android.graphics.Color)	4294013416 (0xFFFF171E8)
YUV	164.8380, 33.1109, 66.7941
Hunter-Lab	60.2803, 62.5612, -36.8417

# Details

The Yxy color **36.3372, 0.3272, 0.2095** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **67.8434, 0.3007, 0.4883**, and the grayscale version is **37.3695, 0.3127, 0.3290**.

A 20% lighter version of the original color is **57.2295, 0.3166, 0.2460**, and **15.8120, 0.3278, 0.1819** is the 20% darker color. If you saturate the color by 10%, you get **31.5607, 0.3302, 0.1924**, and if you desaturate by 10%, it is **42.5456, 0.3242, 0.2297**.

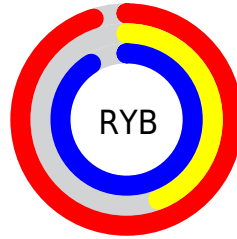
# Distribution



Red (95%)

Green (44%)

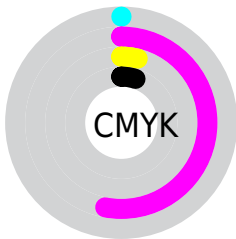
Blue (91%)



Red (95%)

Yellow (44%)

Blue (91%)

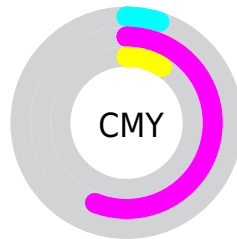


Cyan (0%)

Magenta (53%)

Yellow (4%)

Black (5%)



Cyan (5%)

Magenta (56%)


Yellow (9%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 36.3372, 0.3272, 0.2095 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 36.3372, 0.3272, 0.2095 by changing the saturation by 10% instead.





 36.3372, 0.3272,  
0.2095


 36.3372, 0.3272,  
0.2095


330.4320, 0.3223,  
0.2646

 24.6947, 0.3278,  
0.1972


 69.5522, 0.3259,  
0.2284

 15.8498, 0.3282,  
0.1822


 91.8935, 0.3253,  
0.2359

 9.4179, 0.3282,  
0.1637

 118.5700, 0.3247,  
0.2423

 5.0148, 0.3273,  
0.1404

149.9658, 0.3242,  
0.2479

 2.2559, 0.3243,  
0.1108

186.4656, 0.3237,  
0.2528

 0.7502, 0.3165,  
0.0729

228.4536, 0.3232,

 0.0000, 0.3047,

0.2572

0.0000

276.3143, 0.3227,  
0.2611

■ 0.0000, 0.1420,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 36.3372, 0.3272,  
0.2095

■ 36.3372, 0.3272,  
0.2095

■ 31.5607, 0.3302,  
0.1924

■ 42.5456, 0.3242,  
0.2297

■ 28.0955, 0.3331,  
0.1791


■ 50.2840, 0.3212,  
0.2519


■ 25.8093, 0.3358,  
0.1702

■ 59.6477, 0.3184,  
0.2752


■ 24.5400, 0.3383,  
0.1657


■ 70.7227, 0.3158,  
0.2988


 24.0884, 0.3398,  
0.1646

 83.5891, 0.3134,  
0.3220

 96.6487, 0.3114,  
0.3416

 96.7515, 0.3104,  
0.3399

 96.8553, 0.3095,  
0.3382

 96.9601, 0.3085,  
0.3365

# Harmonies

## Analogous

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



36.3372, 0.2262, 0.1775



36.3372, 0.3272, 0.2095



36.3372, 0.4436, 0.2640

# Triad

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



36.3372, 0.3272, 0.2095



36.3372, 0.4612, 0.4819



36.3372, 0.1412, 0.2717

# Complementary

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



36.3372, 0.3272, 0.2095



67.8434, 0.3007, 0.4883

# 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.



36.3372, 0.1850, 0.3936



36.3372, 0.3272, 0.2095



36.3372, 0.3688, 0.5370

# Square

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



36.3372, 0.3272, 0.2095



36.3372, 0.5216, 0.4050



36.3372, 0.2682, 0.5118



36.3372, 0.1356, 0.2001



# Rectangle

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



36.3372, 0.3272, 0.2095



36.3372, 0.5026, 0.3081



36.3372, 0.2682, 0.5118



36.3372, 0.1512, 0.3076

# Sweetspot

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



36.3389, 0.3272, 0.2095



76.4903, 0.3165, 0.2919



22.2629, 0.2156, 0.1614



15.8067, 0.3170, 0.2871



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.



36.3389, 0.3272, 0.2095



35.3797, 0.3305, 0.1908



33.3581, 0.3983, 0.2695



16.0110, 0.3149, 0.3073



13.0675, 0.3395, 0.1644



1.0928, 0.3368, 0.1629



# Inverse Universe

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



36.3389, 0.3272, 0.2095



35.3797, 0.3305, 0.1908



69.9634, 0.2702, 0.4015



16.0110, 0.3149, 0.3073



13.0675, 0.3395, 0.1644

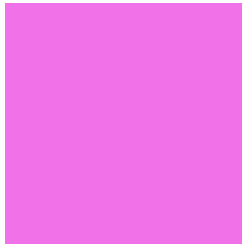


1.0928, 0.3368, 0.1629



# Previews

## White Background



This preview shows how the Yxy color 36.3372, 0.3272, 0.2095 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

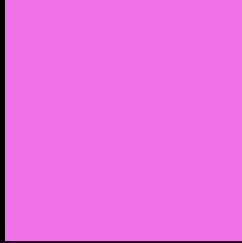
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 36.3372, 0.3272, 0.2095 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

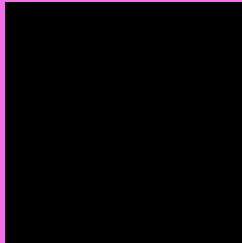
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 36.3372, 0.3272, 0.2095**

## Background



This preview shows how black text looks on a background with the Yxy color 36.3372, 0.3272, 0.2095.

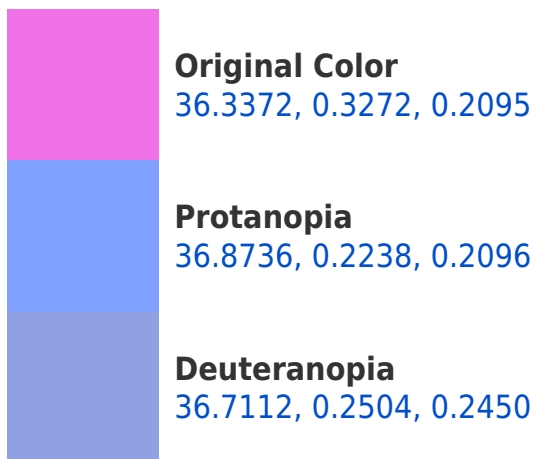


This preview shows how white text looks on a background with the Yxy color 36.3372, 0.3272, 0.2095.

# 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

36.3612, 0.4084, 0.3177

# Trichromacy



## Original Color

36.3372, 0.3272, 0.2095



## Protanomaly

34.6852, 0.2517, 0.2042



## Deuteranomaly

35.0763, 0.2742, 0.2267



## Tritanomaly

36.0152, 0.3780, 0.2734

# Monochromacy



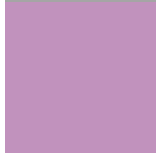
## Original Color

36.3372, 0.3272, 0.2095



## Achromatopsia

37.6262, 0.3127, 0.3290



## Achromatomaly

35.5693, 0.3193, 0.2739

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 36.3372, 0.3272, 0.2095 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(241, 113, 232)` looks like.

```
.text, #text, p{  
    color:rgb(241, 113, 232)  
}
```

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(241, 113, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(241, 113, 232) }
```

## Border

The CSS property to change the border of an element to Yxy 36.3372, 0.3272, 0.2095 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(241, 113, 232) }
```

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

```
.border{ border-color:rgb(241, 113, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(241, 113, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(241, 113, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(241, 113, 232);  
box-shadow:4px 4px 4px 4px rgb(241, 113,  
232) }
```



# Background

The CSS property to change the background color of an element to Yxy 36.3372, 0.3272, 0.2095 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(241, 113, 232) }
```

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

```
.background{ background-color: rgb(241,  
113, 232) }
```

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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