

# Converting Colors

Yxy(27.4043, 0.3924, 0.2066)

Have a look what the booklet for  
Yxy(27.4043, 0.3924, 0.2066)  
contains.

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# Color

**Yxy(27.3915, 0.3928, 0.2069)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF32C1
RGB	255, 50, 193
RGB Percent	100%, 20%, 76%
CMY	0.0000, 0.8038, 0.2432
CMYK	0.00, 0.80, 0.24, 0.00
HSL	318°, 100%, 60%
HSV	318°, 80%, 100%
XYZ	52.0028, 27.3915, 52.9957
YIQ	127.5970, 76.2770, 87.9330

# Conversions

## Conversions Part 2

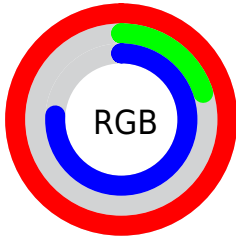
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	255, 50, 193
Decimal	16724673
CIE Lab	59.33, 84.23, -27.43
CIE LCh	59, 88.582, 341.958
Yxy	27.3915, 0.3928, 0.2069
Android (android.graphics.Color)	4294914753 (0xFFFF32C1)
YUV	127.5970, 32.2437, 111.7324
Hunter-Lab	52.3369, 85.7710, -23.4006

# Details

The Yxy color **27.3915, 0.3928, 0.2069** is a light color, and the websafe version is hex **FF33CC**. The color can be described as light washed magenta. A complement of this color would be **73.3630, 0.2842, 0.5212**, and the grayscale version is **21.3142, 0.3127, 0.3290**.

A 20% lighter version of the original color is **41.5951, 0.3231, 0.2061**, and **13.2015, 0.4074, 0.2018** is the 20% darker color. If you saturate the color by 10%, you get **25.4486, 0.4057, 0.2050**, and if you desaturate by 10%, it is **30.5673, 0.3797, 0.2138**.

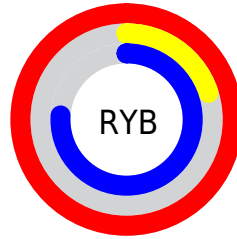
# Distribution



Red (100%)

Green (20%)

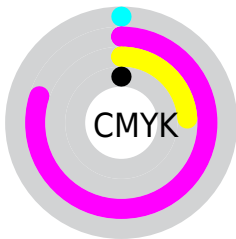
Blue (76%)



Red (100%)

Yellow (20%)

Blue (76%)

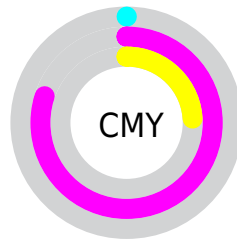


Cyan (0%)

Magenta (80%)

Yellow (24%)

Black (0%)



Cyan (0%)

Magenta (80%)


Yellow (24%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 27.3915, 0.3928, 0.2069 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 27.3915, 0.3928, 0.2069 by changing the saturation by 10% instead.





 27.3915, 0.3928,  
0.2069


 27.3915, 0.3928,  
0.2069

289.5477, 0.3531,  
0.2657


 17.8675, 0.4025,  
0.1931


 55.5115, 0.3785,  
0.2276


 10.8549, 0.4147,  
0.1761


 74.8762, 0.3731,  
0.2356


 5.9693, 0.4305,  
0.1546


 98.2899, 0.3685,  
0.2425

 2.8264, 0.4517,  
0.1269

 126.1371, 0.3646,  
0.2484

 1.0418, 0.4810,  
0.0911

 158.8020, 0.3611,  
0.2535

 0.0000, 0.5483,  
0.0000

196.6692, 0.3581,


 0.0000, 0.5971,


0.2581


0.0000


240.1230, 0.3555,  
0.2621


 0.0000, 0.0000,  
0.0000

 27.3915, 0.3928,  
0.2069


 27.3915, 0.3928,  
0.2069


 25.4486, 0.4057,  
0.2050


 30.5673, 0.3797,  
0.2138

 24.4666, 0.4178,  
0.2075

 35.1482, 0.3671,  
0.2250

 41.2830, 0.3551,  
0.2397

 49.1007, 0.3443,  
0.2565

 58.7165, 0.3346,  
0.2746

 70.2354, 0.3262,  
0.2929

 83.7546, 0.3190,  
0.3110

99.3643, 0.3129,  
0.3284

99.9980, 0.3127,  
0.3290

# Harmonies

## Analogous

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



27.3915, 0.2494, 0.1588



27.3915, 0.3928, 0.2069



27.3915, 0.5336, 0.2761

# Triad

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



27.3915, 0.3928, 0.2069



27.3915, 0.4342, 0.5440



27.3915, 0.0994, 0.2065

# Complementary

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



27.3915, 0.3928, 0.2069



73.3630, 0.2842, 0.5212

# 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.



27.3915, 0.1251, 0.3341



27.3915, 0.3928, 0.2069



27.3915, 0.3149, 0.6061

# Square

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



27.3915, 0.3928, 0.2069



27.3915, 0.5365, 0.4426



27.3915, 0.2011, 0.5207



27.3915, 0.1104, 0.1514



# Rectangle

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



27.3915, 0.3928, 0.2069



27.3915, 0.5802, 0.3269



27.3915, 0.2011, 0.5207



27.3915, 0.1033, 0.2394

# Sweetspot

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



27.3929, 0.3928, 0.2069



65.8391, 0.3291, 0.2863



12.9180, 0.1920, 0.0961



13.2200, 0.3322, 0.2797



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.



27.3929, 0.3928, 0.2069



24.8156, 0.4128, 0.2062



24.2988, 0.5477, 0.3006



18.2013, 0.3185, 0.3126



12.8133, 0.4158, 0.2064



1.2670, 0.4023, 0.1990



# Inverse Universe

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



27.3929, 0.3928, 0.2069



24.8156, 0.4128, 0.2062



77.0474, 0.2434, 0.3811



18.2013, 0.3185, 0.3126



12.8133, 0.4158, 0.2064



1.2670, 0.4023, 0.1990



# Previews

## White Background



This preview shows how the Yxy color 27.3915, 0.3928, 0.2069 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

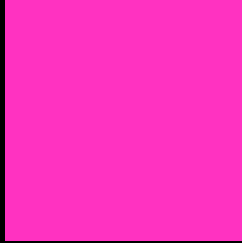
Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail



# Black Background



This preview shows how the Yxy color 27.3915, 0.3928, 0.2069 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

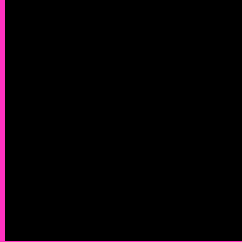
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**Yxy 27.3915, 0.3928, 0.2069**

## Background



This preview shows how black text looks on a background with the Yxy color 27.3915, 0.3928, 0.2069.



This preview shows how white text looks on a background with the Yxy color 27.3915, 0.3928, 0.2069.

# 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

27.3915, 0.3928, 0.2069

### Protanopia

27.7599, 0.1989, 0.1764

### Deuteranopia

27.4519, 0.2714, 0.2648



## Tritanopia

27.3633, 0.5192, 0.3251

# Trichromacy



## Original Color

27.3915, 0.3928, 0.2069



## Protanomaly

22.7311, 0.2405, 0.1697



## Deuteranomaly

23.7639, 0.3107, 0.2242



## Tritanomaly

26.8065, 0.4766, 0.2787

# Monochromacy



## Original Color

27.3915, 0.3928, 0.2069



## Achromatopsia

21.5861, 0.3127, 0.3290



## Achromatomaly

20.3800, 0.3450, 0.2540

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 27.3915, 0.3928, 0.2069 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(255, 50, 193)` looks like.

```
.text, #text, p{  
    color:rgb(255, 50, 193)  
}
```

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(255, 50, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 50, 193) }
```

## Border

The CSS property to change the border of an element to Yxy 27.3915, 0.3928, 0.2069 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(255, 50, 193) }
```

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

```
.border{ border-color:rgb(255, 50, 193) }
```

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

Here you see how a box with a 4 pixel rgb(255, 50, 193) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 50, 193); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 50, 193);  
box-shadow:4px 4px 4px 4px rgb(255, 50,  
193) }
```



# Background

The CSS property to change the background color of an element to Yxy 27.3915, 0.3928, 0.2069 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 50, 193) }
```

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

```
.background{ background-color: rgb(255, 50,  
193) }
```

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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