

# Converting Colors

$Y_{xy}(29.3122, 0.3593, 0.1899)$

Have a look what the booklet for  
Yxy(29.3122, 0.3593, 0.1899)  
contains.

<b>Yxy(29.3007, 0.3591, 0.1896)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

**Color**

**Yxy(29.3007, 0.3591, 0.1896)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF39DB
RGB	255, 57, 219
RGB Percent	100%, 22%, 86%
CMY	0.0000, 0.7766, 0.1412
CMYK	0.00, 0.78, 0.14, 0.00
HSL	311°, 100%, 61%
HSV	311°, 78%, 100%
XYZ	55.4952, 29.3007, 69.7437
YIQ	134.6700, 66.0060, 92.3580

# Conversions

## Conversions Part 2

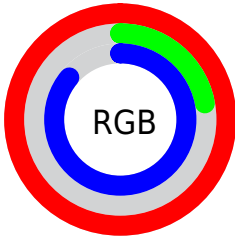
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	255, 57, 219
Decimal	16726491
CIE <sub>Lab</sub>	61.05, 85.81, -39.56
CIE <sub>LCh</sub>	61, 94.490, 335.246
Yxy	29.3007, 0.3591, 0.1896
Android (android.graphics.Color)	4294916571 (0xFFFF39DB)
YUV	134.6700, 41.5747, 105.5294
Hunter-Lab	54.1301, 88.2736, -38.5008

# Details

The Yxy color **29.3007, 0.3591, 0.1896** 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 **73.1789, 0.2920, 0.5421**, and the grayscale version is **23.9177, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.1472, 0.3185, 0.2063**, and **14.1137, 0.3661, 0.1790** is the 20% darker color. If you saturate the color by 10%, you get **27.1380, 0.3661, 0.1842**, and if you desaturate by 10%, it is **32.7275, 0.3519, 0.1996**.

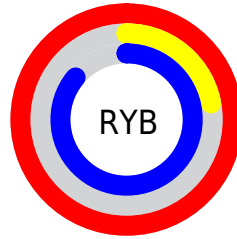
# Distribution



Red (100%)

Green (22%)

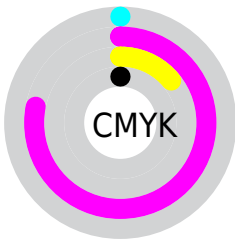
Blue (86%)



Red (100%)

Yellow (22%)

Blue (86%)

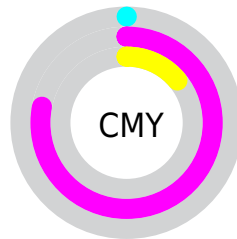


Cyan (0%)

Magenta (78%)

Yellow (14%)

Black (0%)



Cyan (0%)

Magenta (78%)


Yellow (14%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 29.3007, 0.3591, 0.1896 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 29.3007, 0.3591, 0.1896 by changing the saturation by 10% instead.





 29.3007, 0.3591,  
0.1896


 29.3007, 0.3591,  
0.1896


298.6311, 0.3386,  
0.2542


 19.3084, 0.3633,  
0.1752


 58.5545, 0.3523,  
0.2118

 11.8933, 0.3683,  
0.1578


 78.5848, 0.3496,  
0.2205


 6.6711, 0.3740,  
0.1365


 102.7299, 0.3472,  
0.2280

 3.2573, 0.3804,  
0.1102

 131.3742, 0.3451,  
0.2346

 1.2675, 0.3870,  
0.0778

 164.9021, 0.3432,  
0.2404

 0.1158, 0.4016,  
0.0151

203.6979, 0.3415,

 0.0000, 0.3878,

0.2455

0.0000

248.1461, 0.3400,  
0.2501

■ 0.0000, 0.1725,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 29.3007, 0.3591,  
0.1896

■ 29.3007, 0.3591,  
0.1896

■ 27.1380, 0.3661,  
0.1842

■ 32.7275, 0.3519,  
0.1996

■ 26.0288, 0.3727,  
0.1834

■ 37.5950, 0.3448,  
0.2137

■ 25.8454, 0.3742,  
0.1835

■ 44.0417, 0.3379,  
0.2311

■ 52.1919, 0.3315,  
0.2507

62.1579, 0.3256,  
0.2715

74.0422, 0.3204,  
0.2927

87.9395, 0.3158,  
0.3136

100.0000, 0.3127,  
0.3290

# Harmonies

## Analogous

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



29.3007, 0.2205, 0.1470



29.3007, 0.3591, 0.1896



29.3007, 0.5153, 0.2565

# Triad

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



29.3007, 0.3591, 0.1896



29.3007, 0.4610, 0.5250



29.3007, 0.0959, 0.2229

# Complementary

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



29.3007, 0.3591, 0.1896



73.1789, 0.2920, 0.5421

# 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.



29.3007, 0.1313, 0.3752



29.3007, 0.3591, 0.1896



29.3007, 0.3394, 0.6116

# Square

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



29.3007, 0.3591, 0.1896



29.3007, 0.5596, 0.4201



29.3007, 0.2197, 0.5667



29.3007, 0.0999, 0.1537



# Rectangle

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



29.3007, 0.3591, 0.1896



29.3007, 0.5800, 0.3070



29.3007, 0.2197, 0.5667



29.3007, 0.1024, 0.2631

# Sweetspot

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



29.2974, 0.3591, 0.1896



67.4500, 0.3231, 0.2814



12.3157, 0.1800, 0.0935



13.5509, 0.3250, 0.2738



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.



29.2974, 0.3591, 0.1896



26.4352, 0.3696, 0.1832



25.6128, 0.4969, 0.2750



18.2404, 0.3166, 0.3098



13.5253, 0.3732, 0.1829



1.3310, 0.3661, 0.1791



# Inverse Universe

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



29.2974, 0.3591, 0.1896



26.4352, 0.3696, 0.1832



76.0627, 0.2547, 0.4155



18.2404, 0.3166, 0.3098



13.5253, 0.3732, 0.1829



1.3310, 0.3661, 0.1791



# Previews

## White Background



This preview shows how the Yxy color 29.3007, 0.3591, 0.1896 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

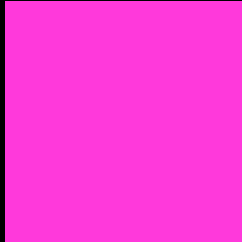
Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail



# Black Background



This preview shows how the Yxy color 29.3007, 0.3591, 0.1896 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 29.3007, 0.3591, 0.1896**

## **Background**



This preview shows how black text looks on a background with the Yxy color 29.3007, 0.3591, 0.1896.



This preview shows how white text looks on a background with the Yxy color 29.3007, 0.3591, 0.1896.

# 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

29.3007, 0.3591, 0.1896

### Protanopia

29.7079, 0.2043, 0.1842

### Deuteranopia

29.5748, 0.2463, 0.2404



## Tritanopia

28.9884, 0.4923, 0.3227

# Trichromacy



## Original Color

29.3007, 0.3591, 0.1896



## Protanomaly

24.8692, 0.2391, 0.1692



## Deuteranomaly

25.7364, 0.2803, 0.2047



## Tritanomaly

28.2183, 0.4460, 0.2678

# Monochromacy



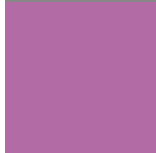
## Original Color

29.3007, 0.3591, 0.1896



## Achromatopsia

24.2281, 0.3127, 0.3290



## Achromatomaly

22.8523, 0.3324, 0.2472

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 29.3007, 0.3591, 0.1896 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, 57, 219)` looks like.

```
.text, #text, p{  
    color:rgb(255, 57, 219)  
}
```

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, 57, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 57, 219) }
```

## Border

The CSS property to change the border of an element to Yxy 29.3007, 0.3591, 0.1896 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, 57, 219) }
```

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

```
.border{ border-color:rgb(255, 57, 219) }
```

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

Here you see how a box with a 4 pixel rgb(255, 57, 219) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 57, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 57, 219);  
box-shadow:4px 4px 4px 4px rgb(255, 57,  
219) }
```



# Background

The CSS property to change the background color of an element to Yxy 29.3007, 0.3591, 0.1896 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 57, 219) }
```

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

```
.background{ background-color: rgb(255, 57,  
219) }
```

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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