

# Converting Colors

Yxy(53.8942, 0.4197, 0.2317)

Have a look what the booklet for  
Yxy(53.8942, 0.4197, 0.2317)  
contains.

<b>Yxy(34.0090, 0.3435, 0.1975)</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(34.0090, 0.3435, 0.1975)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF58E7
RGB	255, 88, 231
RGB Percent	100%, 35%, 91%
CMY	0.0000, 0.6548, 0.0942
CMYK	0.00, 0.65, 0.09, 0.00
HSL	309°, 100%, 67%
HSV	309°, 65%, 100%
XYZ	59.1498, 34.0090, 79.0386
YIQ	154.2350, 53.6290, 79.8770

# Conversions

## Conversions Part 2

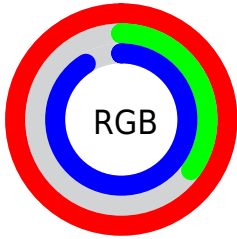
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	255, 88, 231
Decimal	16734439
CIE Lab	64.97, 77.88, -40.14
CIE LCh	65, 87.612, 332.730
Yxy	34.0090, 0.3435, 0.1975
Android (android.graphics.Color)	4294924519 (0xFFFF58E7)
YUV	154.2350, 37.8451, 88.3709
Hunter-Lab	58.3172, 78.9933, -39.5350

# Details

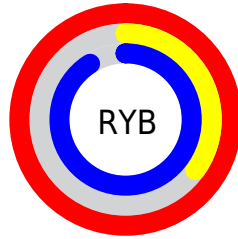
The Yxy color **34.0090, 0.3435, 0.1975** is a light color, and the websafe version is hex **FF66FF**. The color can be described as light muted magenta. A complement of this color would be **74.7617, 0.2946, 0.5156**, and the grayscale version is **32.2404, 0.3127, 0.3290**.

A 20% lighter version of the original color is **49.6598, 0.3176, 0.2257**, and **14.6972, 0.3487, 0.1694** is the 20% darker color. If you saturate the color by 10%, you get **30.3249, 0.3491, 0.1861**, and if you desaturate by 10%, it is **39.1638, 0.3379, 0.2129**.

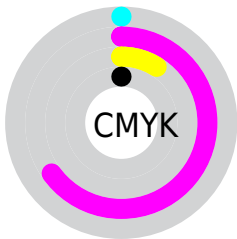
# Distribution



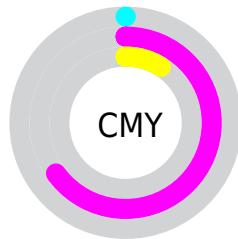
- Red (100%)
- Green (35%)
- Blue (91%)



- Red (100%)
- Yellow (35%)
- Blue (91%)



- Cyan (0%)
- Magenta (65%)
- Yellow (9%)
- Black (0%)



- Cyan (0%)
- Magenta (65%)
- Yellow (9%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 34.0090, 0.3435, 0.1975 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 34.0090, 0.3435, 0.1975 by changing the saturation by 10% instead.




 34.0090, 0.3435,  
0.1975

 34.0090, 0.3435,  
0.1975


320.1722, 0.3310,  
0.2576


 22.9005, 0.3458,  
0.1843


 65.9477, 0.3396,  
0.2180

 14.5201, 0.3484,  
0.1682


 87.5466, 0.3379,  
0.2261

 8.4833, 0.3510,  
0.1486


 113.4112, 0.3364,  
0.2331

 4.4057, 0.3536,  
0.1243

 143.9258, 0.3351,  
0.2393

 1.9030, 0.3551,  
0.0941

179.4748, 0.3339,  
0.2447

 0.5502, 0.3545,  
0.0538

220.4426, 0.3328,

 0.0000, 0.3472,

0.2495

0.0000

267.2136, 0.3319,  
0.2538

■ 0.0000, 0.2431,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 34.0090, 0.3435,  
0.1975

■ 34.0090, 0.3435,  
0.1975

■ 30.3249, 0.3491,  
0.1861

■ 39.1638, 0.3379,  
0.2129

■ 27.9464, 0.3545,  
0.1791

■ 45.9219, 0.3324,  
0.2315

■ 26.6770, 0.3596,  
0.1767

■ 54.4062, 0.3273,  
0.2521

■ 26.3380, 0.3618,  
0.1767

■ 64.7266, 0.3226,  
0.2739

 76.9837, 0.3183,  
0.2959

 91.2709, 0.3146,  
0.3175

99.9986, 0.3127,  
0.3290

# Harmonies

## Analogous

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



34.0090, 0.2218, 0.1593



34.0090, 0.3435, 0.1975



34.0090, 0.4826, 0.2595

# Triad

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



34.0090, 0.3435, 0.1975



34.0090, 0.4646, 0.5068



34.0090, 0.1143, 0.2450

# Complementary

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



34.0090, 0.3435, 0.1975



74.7617, 0.2946, 0.5156

# 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.



34.0090, 0.1544, 0.3862



34.0090, 0.3435, 0.1975



34.0090, 0.3551, 0.5787

# Square

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



34.0090, 0.3435, 0.1975



34.0090, 0.5463, 0.4146



34.0090, 0.2423, 0.5437



34.0090, 0.1141, 0.1732



# Rectangle

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



34.0090, 0.3435, 0.1975



34.0090, 0.5465, 0.3078



34.0090, 0.2423, 0.5437



34.0090, 0.1225, 0.2841

# Sweetspot

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



34.0106, 0.3435, 0.1975



71.2024, 0.3202, 0.2859



17.5360, 0.1972, 0.1234



14.5140, 0.3214, 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.



34.0106, 0.3435, 0.1975



29.3497, 0.3510, 0.1831



30.4196, 0.4466, 0.2707



18.2528, 0.3160, 0.3089



13.7803, 0.3610, 0.1763



1.3535, 0.3557, 0.1733



# Inverse Universe

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



34.0106, 0.3435, 0.1975



29.3497, 0.3510, 0.1831



77.4760, 0.2602, 0.4073



18.2528, 0.3160, 0.3089



13.7803, 0.3610, 0.1763

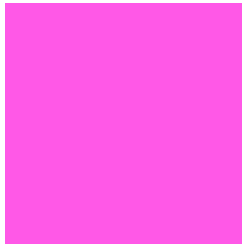


1.3535, 0.3557, 0.1733



# Previews

## White Background



This preview shows how the Yxy color 34.0090, 0.3435, 0.1975 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

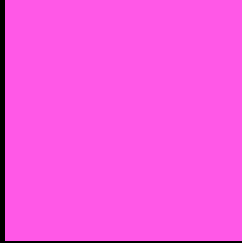
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 34.0090, 0.3435, 0.1975 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 34.0090, 0.3435, 0.1975**

## **Background**



This preview shows how black text looks on a background with the Yxy color 34.0090, 0.3435, 0.1975.



This preview shows how white text looks on a background with the Yxy color 34.0090, 0.3435, 0.1975.

# 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

34.0090, 0.3435, 0.1975

### Protanopia

34.4446, 0.2172, 0.2016

### Deuteranopia

34.1785, 0.2469, 0.2414



## Tritanopia

33.7223, 0.4517, 0.3199

# Trichromacy



## Original Color

34.0090, 0.3435, 0.1975



## Protanomaly

31.1019, 0.2499, 0.1910



## Deuteranomaly

31.1981, 0.2755, 0.2140



## Tritanomaly

33.1885, 0.4118, 0.2692

# Monochromacy



## Original Color

34.0090, 0.3435, 0.1975



## Achromatopsia

32.3143, 0.3127, 0.3290



## Achromatomaly

30.4190, 0.3255, 0.2612

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 34.0090, 0.3435, 0.1975 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, 88, 231)` looks like.

```
.text, #text, p{  
    color:rgb(255, 88, 231)  
}
```

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, 88, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 88, 231) }
```

## Border

The CSS property to change the border of an element to Yxy 34.0090, 0.3435, 0.1975 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, 88, 231) }
```

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

```
.border{ border-color:rgb(255, 88, 231) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 88, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 88, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 88, 231);  
box-shadow:4px 4px 4px 4px rgb(255, 88,  
231) }
```



# Background

The CSS property to change the background color of an element to Yxy 34.0090, 0.3435, 0.1975 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 88, 231) }
```

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

```
.background{ background-color: rgb(255, 88,  
231) }
```

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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