

# Converting Colors

$Y_{xy}(34.2257, 0.3230, 0.1791)$

Have a look what the booklet for  
Yxy(34.2257, 0.3230, 0.1791)  
contains.

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**Color**

**Yxy(34.3229, 0.3227, 0.1791)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF52FC
RGB	255, 82, 252
RGB Percent	100%, 32%, 99%
CMY	0.0000, 0.6786, 0.0117
CMYK	0.00, 0.68, 0.01, 0.00
HSL	301°, 100%, 66%
HSV	301°, 68%, 100%
XYZ	61.8425, 34.3229, 95.4755
YIQ	153.1070, 48.5380, 89.5460

# Conversions

## Conversions Part 2

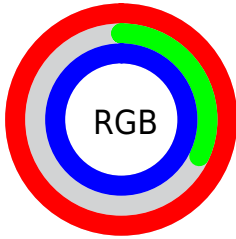
Format	Color
R <sub>Y</sub> B	255, 82, 252
Decimal	16732924
CIE Lab	65.22, 83.19, -51.40
CIE LCh	65, 97.784, 328.290
Yxy	34.3229, 0.3227, 0.1791
Android (android.graphics.Color)	4294923004 (0xFFFF52FC)
YUV	153.1070, 48.7542, 89.3602
Hunter-Lab	58.5857, 85.8978, -55.6132

# Details

The Yxy color **34.3229, 0.3227, 0.1791** 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 **73.9660, 0.3015, 0.5457**, and the grayscale version is **31.6578, 0.3127, 0.3290**.

A 20% lighter version of the original color is **48.4265, 0.3177, 0.2221**, and **15.4095, 0.3196, 0.1534** is the 20% darker color. If you saturate the color by 10%, you get **31.1332, 0.3237, 0.1675**, and if you desaturate by 10%, it is **38.9256, 0.3214, 0.1949**.

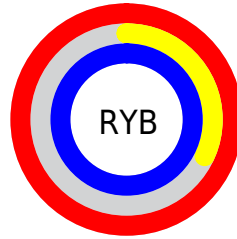
# Distribution



Red (100%)

Green (32%)

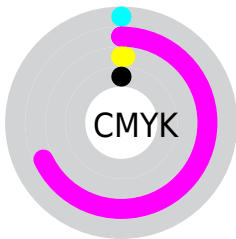
Blue (99%)



Red (100%)

Yellow (32%)

Blue (99%)

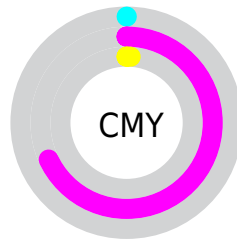


Cyan (0%)

Magenta (68%)

Yellow (1%)

Black (0%)



Cyan (0%)

Magenta (68%)


Yellow (1%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 34.3229, 0.3227, 0.1791 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 34.3229, 0.3227, 0.1791 by changing the saturation by 10% instead.





 34.3229, 0.3227,  
0.1791


 34.3229, 0.3227,  
0.1791


321.5695, 0.3216,  
0.2456


 23.1418, 0.3220,  
0.1650


 66.4355, 0.3230,  
0.2014


 14.6982, 0.3207,  
0.1483


 88.1357, 0.3230,  
0.2103

 8.6079, 0.3184,  
0.1283

 114.1112, 0.3228,  
0.2180

 4.4863, 0.3140,  
0.1044

 144.7461, 0.3226,  
0.2249

 1.9491, 0.3060,  
0.0760

180.4250, 0.3224,  
0.2309

 0.5777, 0.2915,  
0.0416

221.5323, 0.3221,

 0.0000, 0.2643,

0.2364

0.0000

268.4523, 0.3219,  
0.2412

■ 0.0000, 0.1857,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 34.3229, 0.3227,  
0.1791

■ 34.3229, 0.3227,  
0.1791

■ 31.1332, 0.3237,  
0.1675

■ 38.9256, 0.3214,  
0.1949

■ 29.2109, 0.3246,  
0.1603


■ 45.1051, 0.3200,  
0.2143


■ 28.3243, 0.3252,  
0.1570

■ 52.9789, 0.3184,  
0.2365

■ 28.2002, 0.3253,  
0.1566

■ 62.6592, 0.3169,  
0.2605

 74.2488, 0.3153,  
0.2853

 87.8426, 0.3138,  
0.3100

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.



34.3229, 0.1981, 0.1436



34.3229, 0.3227, 0.1791



34.3229, 0.4797, 0.2411

# Triad

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



34.3229, 0.3227, 0.1791



34.3229, 0.4861, 0.4989



34.3229, 0.1025, 0.2516

# Complementary

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



34.3229, 0.3227, 0.1791



73.9660, 0.3015, 0.5457

# 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.



34.3229, 0.1497, 0.4205



34.3229, 0.3227, 0.1791



34.3229, 0.3689, 0.5942

# Square

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



34.3229, 0.3227, 0.1791



34.3229, 0.5720, 0.3990



34.3229, 0.2481, 0.5892



34.3229, 0.0984, 0.1666



# Rectangle

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



34.3229, 0.3227, 0.1791



34.3229, 0.5590, 0.2904



34.3229, 0.2481, 0.5892



34.3229, 0.1126, 0.2985

# Sweetspot

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



34.3156, 0.3227, 0.1791



71.6093, 0.3157, 0.2800



15.1695, 0.1821, 0.1114



14.6130, 0.3161, 0.2730



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.



34.3156, 0.3227, 0.1791



30.4038, 0.3240, 0.1647



30.0243, 0.4255, 0.2500



18.2947, 0.3141, 0.3060



14.7377, 0.3253, 0.1565



1.4366, 0.3247, 0.1563



# Inverse Universe

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



34.3156, 0.3227, 0.1791



30.4038, 0.3240, 0.1647



76.2652, 0.2682, 0.4387



18.2947, 0.3141, 0.3060



14.7377, 0.3253, 0.1565



1.4366, 0.3247, 0.1563



# Previews

## White Background



This preview shows how the Yxy color 34.3229, 0.3227, 0.1791 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

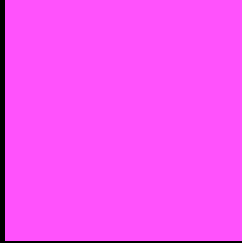
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 34.3229, 0.3227, 0.1791 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

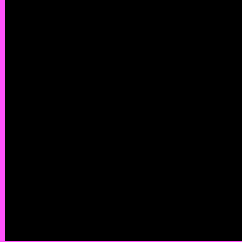
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 34.3229, 0.3227, 0.1791**

## Background



This preview shows how black text looks on a background with the Yxy color 34.3229, 0.3227, 0.1791.



This preview shows how white text looks on a background with the Yxy color 34.3229, 0.3227, 0.1791.

# 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

34.3229, 0.3227, 0.1791

### Protanopia

34.5142, 0.2177, 0.2018

### Deuteranopia

34.6669, 0.2258, 0.2201



## Tritanopia

33.9872, 0.4434, 0.3197

# Trichromacy



## Original Color

34.3229, 0.3227, 0.1791



## Protanomaly

30.9189, 0.2453, 0.1817



## Deuteranomaly

30.8217, 0.2518, 0.1918



## Tritanomaly

33.1642, 0.3982, 0.2594

# Monochromacy



## Original Color

34.3229, 0.3227, 0.1791



## Achromatopsia

31.8547, 0.3127, 0.3290



## Achromatomaly

29.8000, 0.3175, 0.2490

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 34.3229, 0.3227, 0.1791 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, 82, 252)` looks like.

```
.text, #text, p{  
    color:rgb(255, 82, 252)  
}
```

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, 82, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 82, 252) }
```

## Border

The CSS property to change the border of an element to Yxy 34.3229, 0.3227, 0.1791 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, 82, 252) }
```

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

```
.border{ border-color:rgb(255, 82, 252) }
```

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

Here you see how a box with a 4 pixel rgb(255, 82, 252) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 82, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 82, 252);  
box-shadow:4px 4px 4px 4px rgb(255, 82,  
252) }
```



# Background

The CSS property to change the background color of an element to Yxy 34.3229, 0.3227, 0.1791 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 82, 252) }
```

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

```
.background{ background-color: rgb(255, 82,  
252) }
```

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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