

# Converting Colors

Yxy(53.5115, 0.3565, 0.2162)

Have a look what the booklet for  
Yxy(53.5115, 0.3565, 0.2162)  
contains.

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# Color

**Yxy(42.1547, 0.3186, 0.2031)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF79FF
RGB	255, 121, 255
RGB Percent	100%, 47%, 100%
CMY	0.0000, 0.5255, 0.0000
CMYK	0.00, 0.53, 0.00, 0.00
HSL	300°, 100%, 74%
HSV	300°, 53%, 100%
XYZ	66.1275, 42.1547, 99.2742
YIQ	176.3420, 36.8500, 70.0820

# Conversions

## Conversions Part 2

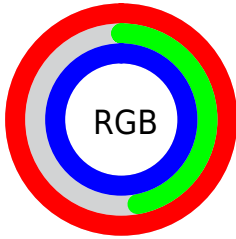
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	255, 121, 255
Decimal	16742911
CIE <sub>Lab</sub>	70.98, 68.15, -43.97
CIE <sub>LCh</sub>	71, 81.102, 327.166
Yxy	42.1547, 0.3186, 0.2031
Android (android.graphics.Color)	4294932991 (0xFFFF79FF)
YUV	176.3420, 38.7784, 68.9831
Hunter-Lab	64.9267, 68.1797, -45.2070

# Details

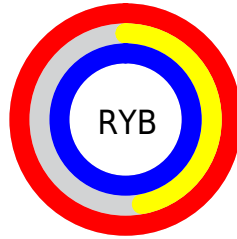
The Yxy color **42.1547, 0.3186, 0.2031** is a light color, and the websafe version is hex **FF66FF**. A complement of this color would be **76.9666, 0.3048, 0.4981**, and the grayscale version is **43.3839, 0.3127, 0.3290**.

A 20% lighter version of the original color is **60.3208, 0.3163, 0.2536**, and **19.2343, 0.3162, 0.1764** is the 20% darker color. If you saturate the color by 10%, you get **36.7547, 0.3195, 0.1851**, and if you desaturate by 10%, it is **49.1937, 0.3176, 0.2244**.

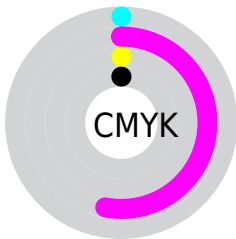
# Distribution



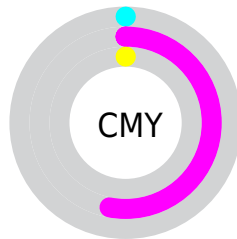
- Red (100%)
- Green (47%)
- Blue (100%)



- Red (100%)
- Yellow (47%)
- Blue (100%)



- Cyan (0%)
- Magenta (53%)
- Yellow (0%)
- Black (0%)




- Cyan (0%)
- Magenta (53%)
- Yellow (0%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 42.1547, 0.3186, 0.2031 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 42.1547, 0.3186, 0.2031 by changing the saturation by 10% instead.




 42.1547, 0.3186,  
0.2031


 42.1547, 0.3186,  
0.2031


355.1238, 0.3184,  
0.2591


 29.2224, 0.3180,  
0.1911


 78.4337, 0.3190,  
0.2220

 19.2492, 0.3170,  
0.1766


 102.5492, 0.3190,  
0.2295

 11.8505, 0.3153,  
0.1591


 131.1613, 0.3190,  
0.2360

 6.6419, 0.3122,  
0.1376

164.6544, 0.3189,  
0.2418

 3.2392, 0.3066,  
0.1109

203.4127, 0.3188,  
0.2468

 1.2578, 0.2961,  
0.0781

247.8208, 0.3186,

 0.1082, 0.2823,

0.2514

0.0142

298.2631, 0.3185,  
0.2554

■ 0.0000, 0.2300,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 42.1547, 0.3186,  
0.2031

■ 42.1547, 0.3186,  
0.2031

■ 36.7547, 0.3195,  
0.1851

■ 49.1937, 0.3176,  
0.2244

■ 32.8596, 0.3201,  
0.1711

■ 57.9872, 0.3165,  
0.2479


■ 30.3175, 0.3206,  
0.1614

■ 68.6429, 0.3154,  
0.2727

■ 28.9439, 0.3208,  
0.1560

■ 81.2592, 0.3142,  
0.2980

 28.4777, 0.3209,  
0.1541

 95.9273, 0.3130,  
0.3228

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.



42.1547, 0.2174, 0.1724



42.1547, 0.3186, 0.2031



42.1547, 0.4396, 0.2572

# Triad

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



42.1547, 0.3186, 0.2031



42.1547, 0.4702, 0.4791



42.1547, 0.1386, 0.2769

# Complementary

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



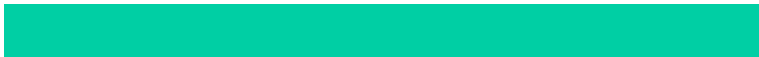
42.1547, 0.3186, 0.2031



76.9666, 0.3048, 0.4981

# 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.



42.1547, 0.1860, 0.4062



42.1547, 0.3186, 0.2031



42.1547, 0.3765, 0.5412

# Square

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



42.1547, 0.3186, 0.2031



42.1547, 0.5297, 0.3996



42.1547, 0.2733, 0.5249



42.1547, 0.1306, 0.1999



# Rectangle

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



42.1547, 0.3186, 0.2031



42.1547, 0.5036, 0.3015



42.1547, 0.2733, 0.5249



42.1547, 0.1496, 0.3152

# Sweetspot

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



42.1554, 0.3186, 0.2031



76.6741, 0.3146, 0.2893



25.5113, 0.2114, 0.1632



15.8511, 0.3148, 0.2841



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.



42.1554, 0.3186, 0.2031



36.5464, 0.3195, 0.1844



38.6647, 0.3843, 0.2589



18.3004, 0.3138, 0.3056



14.8802, 0.3209, 0.1541



1.4488, 0.3209, 0.1541



# Inverse Universe

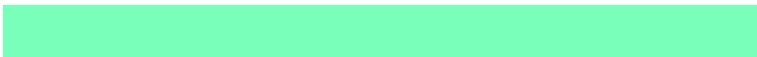
The Inverse Universe completely reimagines the original color for something new.



36.3174, 0.4675, 0.3295



30.1424, 0.5173, 0.3296



79.1209, 0.2756, 0.4155



17.9871, 0.3295, 0.3290



11.1088, 0.6401, 0.3300



1.0816, 0.6401, 0.3300



# Previews

## White Background



This preview shows how the Yxy color 42.1547, 0.3186, 0.2031 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

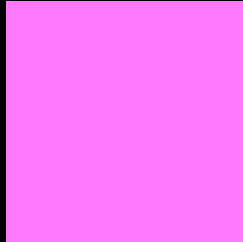
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 42.1547, 0.3186, 0.2031 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 42.1547, 0.3186, 0.2031**

## **Background**



This preview shows how black text looks on a background with the Yxy color 42.1547, 0.3186, 0.2031.



This preview shows how white text looks on a background with the Yxy color 42.1547, 0.3186, 0.2031.

# 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

42.1547, 0.3186, 0.2031

### Protanopia

42.7448, 0.2369, 0.2277

### Deuteranopia

42.4548, 0.2434, 0.2370



## Tritanopia

42.0468, 0.4022, 0.3171

# Trichromacy



## Original Color

42.1547, 0.3186, 0.2031



## Protanomaly

40.3168, 0.2609, 0.2127



## Deuteranomaly

40.1868, 0.2663, 0.2184



## Tritanomaly

41.5157, 0.3699, 0.2697

# Monochromacy



## Original Color

42.1547, 0.3186, 0.2031



## Achromatopsia

43.4154, 0.3127, 0.3290



## Achromatomaly

41.1638, 0.3155, 0.2701

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 42.1547, 0.3186, 0.2031 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, 121, 255)` looks like.

```
.text, #text, p{  
    color:rgb(255, 121, 255)  
}
```

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, 121, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 121, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 42.1547, 0.3186, 0.2031 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, 121, 255) }
```

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

```
.border{ border-color:rgb(255, 121, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 121, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 121, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 121, 255);  
box-shadow:4px 4px 4px 4px rgb(255, 121,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 42.1547, 0.3186, 0.2031 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 121, 255) }
```

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

```
.background{ background-color: rgb(255,  
121, 255) }
```

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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