

# Converting Colors

Yxy(31.3854, 0.3531, 0.1945)

Have a look what the booklet for  
Yxy(31.3854, 0.3531, 0.1945)  
contains.

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**Color**

**Yxy(31.3528, 0.3533, 0.1945)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF49DF
RGB	255, 73, 223
RGB Percent	100%, 29%, 87%
CMY	0.0000, 0.7138, 0.1253
CMYK	0.00, 0.71, 0.13, 0.00
HSL	311°, 100%, 64%
HSV	311°, 71%, 100%
XYZ	56.9509, 31.3528, 72.8932
YIQ	144.5180, 60.3220, 85.2340

# Conversions

## Conversions Part 2

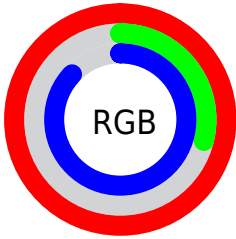
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	255, 73, 223
Decimal	16730591
CIE <sub>Lab</sub>	62.80, 81.85, -39.09
CIE <sub>LCh</sub>	63, 90.707, 334.472
Yxy	31.3528, 0.3533, 0.1945
Android (android.graphics.Color)	4294920671 (0xFFFF49DF)
YUV	144.5180, 38.6916, 96.8927
Hunter-Lab	55.9936, 83.5630, -37.9891

# Details

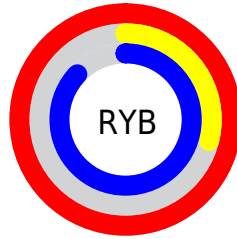
The Yxy color **31.3528, 0.3533, 0.1945** is a light color, and the websafe version is hex **FF33CC**. The color can be described as light washed magenta. A complement of this color would be **73.9536, 0.2923, 0.5265**, and the grayscale version is **27.9262, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.0883, 0.3181, 0.2153**, and **14.2594, 0.3597, 0.1755** is the 20% darker color. If you saturate the color by 10%, you get **28.4225, 0.3601, 0.1861**, and if you desaturate by 10%, it is **35.6583, 0.3464, 0.2073**.

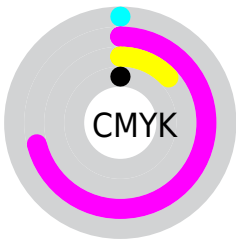
# Distribution



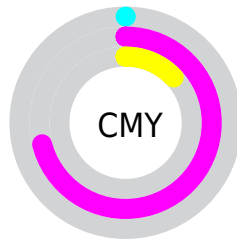
- Red (100%)
- Green (29%)
- Blue (87%)



- Red (100%)
- Yellow (29%)
- Blue (87%)



- Cyan (0%)
- Magenta (71%)
- Yellow (13%)
- Black (0%)




- Cyan (0%)
- Magenta (71%)
- Yellow (13%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 31.3528, 0.3533, 0.1945 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 31.3528, 0.3533, 0.1945 by changing the saturation by 10% instead.




 31.3528, 0.3533,  
0.1945


 31.3528, 0.3533,  
0.1945


308.1604, 0.3357,  
0.2566

 20.8676, 0.3569,  
0.1807


 61.7951, 0.3475,  
0.2158

 13.0273, 0.3609,  
0.1640


 82.5210, 0.3452,  
0.2242

 7.4473, 0.3656,  
0.1435


 107.4293, 0.3431,  
0.2314

 3.7434, 0.3707,  
0.1181

 136.9044, 0.3413,  
0.2377

 1.5311, 0.3757,  
0.0865

171.3307, 0.3397,  
0.2433

 0.3105, 0.3833,  
0.0362

211.0925, 0.3382,

 0.0000, 0.3754,

0.2482

0.0000

256.5743, 0.3369,  
0.2526

0.0000, 0.2224,  
0.0000

0.0000, 0.0000,  
0.0000

31.3528, 0.3533,  
0.1945

31.3528, 0.3533,  
0.1945

28.4225, 0.3601,  
0.1861

35.6583, 0.3464,  
0.2073

26.6924, 0.3667,  
0.1824

41.4937, 0.3396,  
0.2236

25.9249, 0.3721,  
0.1824

48.9874, 0.3332,  
0.2426

58.2559, 0.3273,  
0.2632

69.4050, 0.3220,  
0.2845

82.5321, 0.3173,  
0.3057

97.7281, 0.3132,  
0.3262

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.



31.3528, 0.2228, 0.1537



31.3528, 0.3533, 0.1945



31.3528, 0.5003, 0.2593

# Triad

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



31.3528, 0.3533, 0.1945



31.3528, 0.4616, 0.5173



31.3528, 0.1049, 0.2326

# Complementary

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



31.3528, 0.3533, 0.1945



73.9536, 0.2923, 0.5265

# 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.



31.3528, 0.1421, 0.3783



31.3528, 0.3533, 0.1945



31.3528, 0.3460, 0.5951

# Square

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



31.3528, 0.3533, 0.1945



31.3528, 0.5523, 0.4191



31.3528, 0.2297, 0.5528



31.3528, 0.1073, 0.1629



# Rectangle

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



31.3528, 0.3533, 0.1945



31.3528, 0.5638, 0.3088



31.3528, 0.2297, 0.5528



31.3528, 0.1121, 0.2719

# Sweetspot

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



31.3512, 0.3533, 0.1945



69.8726, 0.3218, 0.2853



14.8829, 0.1901, 0.1086



14.2508, 0.3232, 0.2794



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.



31.3512, 0.3533, 0.1945



27.4875, 0.3632, 0.1838



27.7324, 0.4748, 0.2749



18.2424, 0.3165, 0.3096



13.5663, 0.3711, 0.1818



1.3346, 0.3644, 0.1781



# Inverse Universe

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



31.3512, 0.3533, 0.1945



27.4875, 0.3632, 0.1838



76.8448, 0.2559, 0.4074



18.2424, 0.3165, 0.3096



13.5663, 0.3711, 0.1818



1.3346, 0.3644, 0.1781



# Previews

## White Background



This preview shows how the Yxy color 31.3528, 0.3533, 0.1945 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

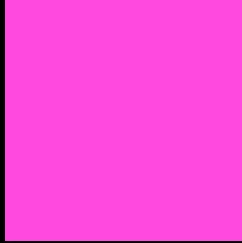
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 31.3528, 0.3533, 0.1945 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

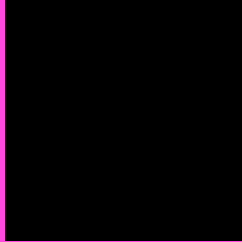
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 31.3528, 0.3533, 0.1945**

## **Background**



This preview shows how black text looks on a background with the Yxy color 31.3528, 0.3533, 0.1945.



This preview shows how white text looks on a background with the Yxy color 31.3528, 0.3533, 0.1945.

# 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

31.3528, 0.3533, 0.1945

### Protanopia

31.8407, 0.2105, 0.1923

### Deuteranopia

31.4717, 0.2477, 0.2413



## Tritanopia

30.9863, 0.4735, 0.3213

# Trichromacy



## Original Color

31.3528, 0.3533, 0.1945



## Protanomaly

27.7229, 0.2455, 0.1805



## Deuteranomaly

28.2240, 0.2794, 0.2104



## Tritanomaly

30.4740, 0.4304, 0.2697

# Monochromacy



## Original Color

31.3528, 0.3533, 0.1945



## Achromatopsia

28.3149, 0.3127, 0.3290



## Achromatomaly

26.5251, 0.3298, 0.2562

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 31.3528, 0.3533, 0.1945 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, 73, 223)` looks like.

```
.text, #text, p{  
  color:rgb(255, 73, 223)  
}
```

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, 73, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 73, 223) }
```

## Border

The CSS property to change the border of an element to Yxy 31.3528, 0.3533, 0.1945 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, 73, 223) }
```

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

```
.border{ border-color:rgb(255, 73, 223) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 73, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 73, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 73, 223);  
box-shadow:4px 4px 4px 4px rgb(255, 73,  
223) }
```



# Background

The CSS property to change the background color of an element to Yxy 31.3528, 0.3533, 0.1945 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 73, 223) }
```

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

```
.background{ background-color: rgb(255, 73,  
223) }
```

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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