

Converting Colors

$Y_{xy}(32.5933, 0.3495, 0.1968)$

Have a look what the booklet for
Yxy(32.5933, 0.3495, 0.1968)
contains.

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Color

Yxy(32.6358, 0.3494, 0.1969)

Conversions

Conversions Part 1

Format	Color
Hex	FF51E2
RGB	255, 81, 226
RGB Percent	100%, 32%, 89%
CMY	0.0000, 0.6824, 0.1137
CMYK	0.00, 0.68, 0.11, 0.00
HSL	310°, 100%, 66%
HSV	310°, 68%, 100%
XYZ	57.9124, 32.6358, 75.1999
YIQ	149.5560, 57.1590, 81.9830

Conversions

Conversions Part 2

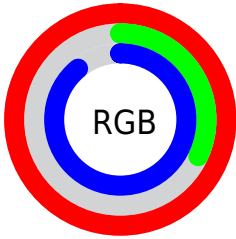
Format	Color
R _Y B	255, 81, 226
Decimal	16732642
CIE Lab	63.86, 79.64, -39.09
CIE LCh	64, 88.715, 333.857
Yxy	32.6358, 0.3494, 0.1969
Android (android.graphics.Color)	4294922722 (0xFFFF51E2)
YUV	149.5560, 37.6869, 92.4744
Hunter-Lab	57.1278, 80.9781, -38.0568

Details

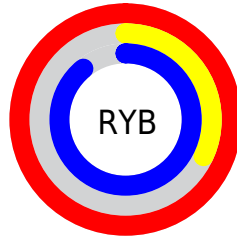
The Yxy color **32.6358, 0.3494, 0.1969** is a light color, and the websafe version is hex **FF33CC**. The color can be described as light muted magenta. A complement of this color would be **74.3949, 0.2929, 0.5193**, and the grayscale version is **30.1202, 0.3127, 0.3290**.

A 20% lighter version of the original color is **47.8260, 0.3178, 0.2204**, and **14.3716, 0.3549, 0.1729** is the 20% darker color. If you saturate the color by 10%, you get **29.3006, 0.3559, 0.1869**, and if you desaturate by 10%, it is **37.3982, 0.3429, 0.2110**.

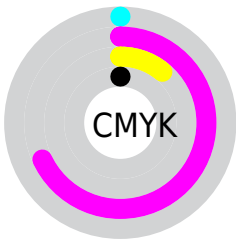
Distribution



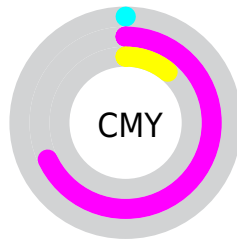
- Red (100%)
- Green (32%)
- Blue (89%)



- Red (100%)
- Yellow (32%)
- Blue (89%)



- Cyan (0%)
- Magenta (68%)
- Yellow (11%)
- Black (0%)





- Cyan (0%)
- Magenta (68%)
- Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 32.6358, 0.3494, 0.1969 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 32.6358, 0.3494, 0.1969 by changing the saturation by 10% instead.

 32.6358, 0.3494,
0.1969


 32.6358, 0.3494,
0.1969


314.0054, 0.3338,
0.2577

 21.8476, 0.3525,
0.1834

 63.8065, 0.3444,
0.2177

 13.7450, 0.3560,
0.1671


 84.9578, 0.3423,
0.2259

 7.9435, 0.3599,
0.1471


 110.3322, 0.3404,
0.2330

 4.0588, 0.3641,
0.1222

 140.3142, 0.3388,
0.2392

 1.7065, 0.3678,
0.0913

175.2881, 0.3374,
0.2446

 0.4279, 0.3719,
0.0464

215.6384, 0.3361,

 0.0000, 0.3659,

0.2495

0.0000

261.7493, 0.3349,
0.2538

■ 0.0000, 0.2382,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 32.6358, 0.3494,
0.1969

■ 32.6358, 0.3494,
0.1969

■ 29.3006, 0.3559,
0.1869

■ 37.3982, 0.3429,
0.2110

■ 27.2244, 0.3622,
0.1816


■ 43.7312, 0.3365,
0.2285

■ 26.1746, 0.3681,
0.1807

■ 51.7599, 0.3306,
0.2482

■ 26.0390, 0.3692,
0.1807

■ 61.5970, 0.3251,
0.2693

 73.3455, 0.3202,
0.2908

 87.1007, 0.3158,
0.3121

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.



32.6358, 0.2235, 0.1572



32.6358, 0.3494, 0.1969



32.6358, 0.4915, 0.2603

Triad

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



32.6358, 0.3494, 0.1969



32.6358, 0.4621, 0.5124



32.6358, 0.1100, 0.2384

Complementary

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



32.6358, 0.3494, 0.1969



74.3949, 0.2929, 0.5193

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.



32.6358, 0.1484, 0.3808



32.6358, 0.3494, 0.1969



32.6358, 0.3499, 0.5860

Square

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



32.6358, 0.3494, 0.1969



32.6358, 0.5482, 0.4177



32.6358, 0.2357, 0.5460



32.6358, 0.1114, 0.1683

Rectangle

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



32.6358, 0.3494, 0.1969



32.6358, 0.5546, 0.3093



32.6358, 0.2357, 0.5460



32.6358, 0.1177, 0.2774

Sweetspot

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



32.6356, 0.3494, 0.1969



71.1304, 0.3210, 0.2870



16.2363, 0.1939, 0.1163



14.4965, 0.3223, 0.2810



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.



32.6356, 0.3494, 0.1969



28.3816, 0.3583, 0.1844



29.0944, 0.4596, 0.2726



18.2453, 0.3164, 0.3094



13.6252, 0.3682, 0.1802



1.3398, 0.3619, 0.1767

Inverse Universe

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



32.6356, 0.3494, 0.1969



28.3816, 0.3583, 0.1844



77.1687, 0.2581, 0.4073



18.2453, 0.3164, 0.3094



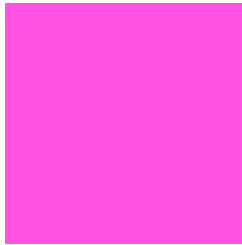
13.6252, 0.3682, 0.1802



1.3398, 0.3619, 0.1767

Previews

White Background



This preview shows how the Yxy color 32.6358, 0.3494, 0.1969 looks on a white background.

Color Contrast Check

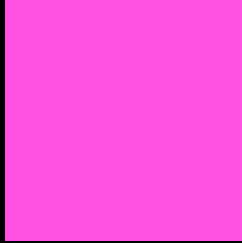
Large Text (above 18pt) WCAG AA × Fail

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 32.6358, 0.3494, 0.1969 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 32.6358, 0.3494, 0.1969

Background



This preview shows how black text looks on a background with the Yxy color 32.6358, 0.3494, 0.1969.

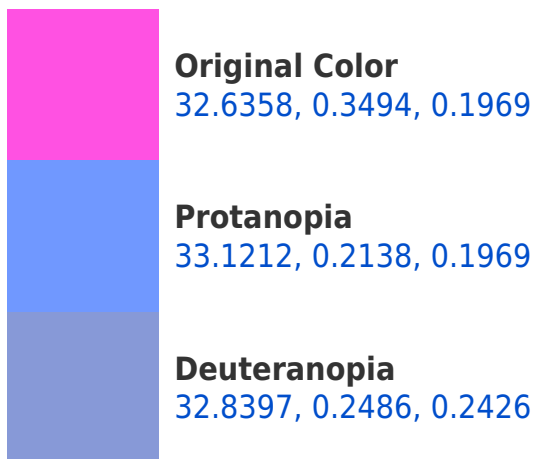


This preview shows how white text looks on a background with the Yxy color 32.6358, 0.3494, 0.1969.

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





Tritanopia

32.4238, 0.4621, 0.3211

Trichromacy



Original Color

32.6358, 0.3494, 0.1969



Protanomaly

29.3459, 0.2480, 0.1862



Deuteranomaly

29.8769, 0.2792, 0.2141



Tritanomaly

31.7670, 0.4216, 0.2699

Monochromacy



Original Color

32.6358, 0.3494, 0.1969



Achromatopsia

30.4987, 0.3127, 0.3290



Achromatomaly

28.5729, 0.3270, 0.2588

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.6358, 0.3494, 0.1969 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, 81, 226)` looks like.

```
.text, #text, p{  
    color:rgb(255, 81, 226)  
}
```

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, 81, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 81, 226) }
```

Border

The CSS property to change the border of an element to Yxy 32.6358, 0.3494, 0.1969 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, 81, 226) }
```

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

```
.border{ border-color:rgb(255, 81, 226) }
```

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

Here you see how a box with a 4 pixel rgb(255, 81, 226) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 81, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 81, 226);  
box-shadow:4px 4px 4px 4px rgb(255, 81,  
226) }
```


Background

The CSS property to change the background color of an element to Yxy 32.6358, 0.3494, 0.1969 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 81, 226) }
```

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

```
.background{ background-color: rgb(255, 81,  
226) }
```

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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