

Converting Colors

$Y_{xy}(32.8536, 0.3544, 0.2025)$

Have a look what the booklet for
Yxy(32.8536, 0.3544, 0.2025)
contains.

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Color

Yxy(32.8211, 0.3547, 0.2026)

Conversions

Conversions Part 1

Format	Color
Hex	FF54DD
RGB	255, 84, 221
RGB Percent	100%, 33%, 87%
CMY	0.0000, 0.6705, 0.1333
CMYK	0.00, 0.67, 0.13, 0.00
HSL	312°, 100%, 66%
HSV	312°, 67%, 100%
XYZ	57.4612, 32.8211, 71.7172
YIQ	150.7470, 57.9390, 78.8590

Conversions

Conversions Part 2

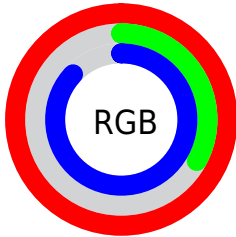
Format	Color
R _Y B	255, 84, 221
Decimal	16733405
CIE Lab	64.02, 77.89, -36.06
CIE LCh	64, 85.826, 335.159
Yxy	32.8211, 0.3547, 0.2026
Android (android.graphics.Color)	4294923485 (0xFFFF54DD)
YUV	150.7470, 34.6347, 91.4299
Hunter-Lab	57.2897, 78.7774, -34.1184

Details

The Yxy color **32.8211, 0.3547, 0.2026** 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 **74.7120, 0.2910, 0.5092**, and the grayscale version is **30.6670, 0.3127, 0.3290**.

A 20% lighter version of the original color is **48.7308, 0.3177, 0.2230**, and **14.1859, 0.3629, 0.1773** is the 20% darker color. If you saturate the color by 10%, you get **29.2921, 0.3626, 0.1926**, and if you desaturate by 10%, it is **37.8013, 0.3469, 0.2167**.

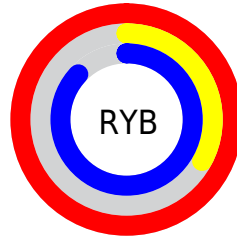
Distribution



Red (100%)

Green (33%)

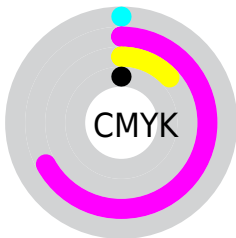
Blue (87%)



Red (100%)

Yellow (33%)

Blue (87%)

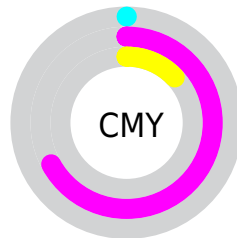


Cyan (0%)

Magenta (67%)

Yellow (13%)

Black (0%)



Cyan (0%)


Magenta (67%)


Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 32.8211, 0.3547, 0.2026 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 32.8211, 0.3547, 0.2026 by changing the saturation by 10% instead.

 32.8211, 0.3547,
0.2026


 32.8211, 0.3547,
0.2026


314.8428, 0.3361,
0.2612


 21.9894, 0.3586,
0.1895


 64.0961, 0.3485,
0.2228


 13.8491, 0.3632,
0.1735


 85.3083, 0.3460,
0.2307

 8.0158, 0.3687,
0.1538

 110.7494, 0.3438,
0.2375

 4.1051, 0.3751,
0.1290

 140.8038, 0.3419,
0.2434

 1.7325, 0.3821,
0.0978

175.8560, 0.3402,
0.2487

 0.4446, 0.3916,
0.0517

216.2903, 0.3387,

 0.0000, 0.3953,

0.2533

0.0000

262.4911, 0.3373,
0.2575

■ 0.0000, 0.2697,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 32.8211, 0.3547,
0.2026

■ 32.8211, 0.3547,
0.2026

■ 29.2921, 0.3626,
0.1926

■ 37.8013, 0.3469,
0.2167

■ 27.0444, 0.3704,
0.1871

■ 44.3681, 0.3394,
0.2340

■ 25.8691, 0.3778,
0.1864

■ 52.6470, 0.3325,
0.2534

■ 25.6339, 0.3799,
0.1867

■ 62.7494, 0.3262,
0.2739

 74.7773, 0.3206,
0.2947

 88.8251, 0.3157,
0.3151

99.9996, 0.3127,
0.3290

Harmonies

Analogous

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



32.8211, 0.2306, 0.1624



32.8211, 0.3547, 0.2026



32.8211, 0.4908, 0.2658

Triad

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



32.8211, 0.3547, 0.2026



32.8211, 0.4559, 0.5133



32.8211, 0.1141, 0.2376

Complementary

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



32.8211, 0.3547, 0.2026



74.7120, 0.2910, 0.5092

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.



32.8211, 0.1506, 0.3722



32.8211, 0.3547, 0.2026



32.8211, 0.3461, 0.5791

Square

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



32.8211, 0.3547, 0.2026



32.8211, 0.5403, 0.4218



32.8211, 0.2346, 0.5320



32.8211, 0.1166, 0.1709

Rectangle

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



32.8211, 0.3547, 0.2026



32.8211, 0.5495, 0.3143



32.8211, 0.2346, 0.5320



32.8211, 0.1213, 0.2745

Sweetspot

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



32.8227, 0.3547, 0.2026



71.0298, 0.3222, 0.2886



17.2314, 0.1996, 0.1213



14.4722, 0.3237, 0.2827



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.



32.8227, 0.3547, 0.2026



28.5055, 0.3649, 0.1905



29.4414, 0.4639, 0.2787



18.2348, 0.3169, 0.3102



13.4163, 0.3788, 0.1860



1.3213, 0.3709, 0.1817

Inverse Universe

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



32.8227, 0.3547, 0.2026



28.5055, 0.3649, 0.1905



77.6140, 0.2560, 0.3979



18.2348, 0.3169, 0.3102



13.4163, 0.3788, 0.1860



1.3213, 0.3709, 0.1817

Previews

White Background



This preview shows how the Yxy color 32.8211, 0.3547, 0.2026 looks on a white background.

Color Contrast Check

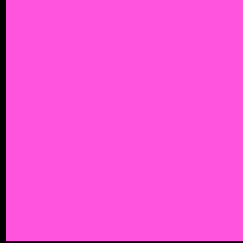
Large Text (above 18pt) WCAG AA × Fail

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 32.8211, 0.3547, 0.2026 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

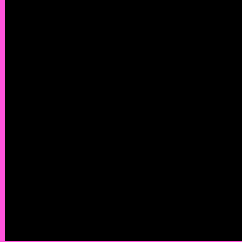
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 32.8211, 0.3547, 0.2026

Background



This preview shows how black text looks on a background with the Yxy color 32.8211, 0.3547, 0.2026.



This preview shows how white text looks on a background with the Yxy color 32.8211, 0.3547, 0.2026.

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

32.8211, 0.3547, 0.2026

Protanopia

33.1872, 0.2143, 0.1971

Deuteranopia

32.9246, 0.2548, 0.2491



Tritanopia

32.6032, 0.4631, 0.3212

Trichromacy



Original Color

32.8211, 0.3547, 0.2026



Protanomaly

29.6491, 0.2496, 0.1884



Deuteranomaly

30.1171, 0.2853, 0.2208



Tritanomaly

32.0768, 0.4249, 0.2731

Monochromacy



Original Color

32.8211, 0.3547, 0.2026



Achromatopsia

30.9469, 0.3127, 0.3290



Achromatomaly

29.1321, 0.3301, 0.2641

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.8211, 0.3547, 0.2026 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, 84, 221)` looks like.

```
.text, #text, p{  
    color:rgb(255, 84, 221)  
}
```

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, 84, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 84, 221) }
```

Border

The CSS property to change the border of an element to Yxy 32.8211, 0.3547, 0.2026 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, 84, 221) }
```

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

```
.border{ border-color:rgb(255, 84, 221) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 84, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 84, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 84, 221);  
box-shadow:4px 4px 4px 4px rgb(255, 84,  
221) }
```


Background

The CSS property to change the background color of an element to Yxy 32.8211, 0.3547, 0.2026 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 84, 221) }
```

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

```
.background{ background-color: rgb(255, 84,  
221) }
```

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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