

Converting Colors

$Y_{xy}(33.9495, 0.3199, 0.1751)$

Have a look what the booklet for
Yxy(33.9495, 0.3199, 0.1751)
contains.

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Color

Yxy(33.9288, 0.3199, 0.1750)

Conversions

Conversions Part 1

Format	Color
Hex	FF4EFF
RGB	255, 78, 255
RGB Percent	100%, 31%, 100%
CMY	0.0000, 0.6942, 0.0000
CMYK	0.00, 0.69, 0.00, 0.00
HSL	300°, 100%, 65%
HSV	300°, 69%, 100%
XYZ	62.0218, 33.9288, 97.9282
YIQ	151.1010, 48.6750, 92.5710

Conversions

Conversions Part 2

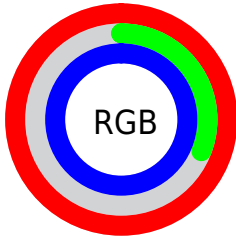
Format	Color
R _{YB}	255, 78, 255
Decimal	16731903
CIE Lab	64.91, 84.95, -53.56
CIE LCh	65, 100.425, 327.768
Yxy	33.9288, 0.3199, 0.1750
Android (android.graphics.Color)	4294921983 (0xFFFF4EFF)
YUV	151.1010, 51.2222, 91.1194
Hunter-Lab	58.2484, 88.1287, -58.9054

Details

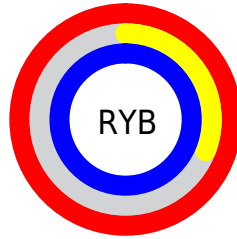
The Yxy color **33.9288, 0.3199, 0.1750** is a light color, and the websafe version is hex **FF33FF**. The color can be described as light washed magenta. A complement of this color would be **73.6887, 0.3022, 0.5529**, and the grayscale version is **30.7486, 0.3127, 0.3290**.

A 20% lighter version of the original color is **47.5298, 0.3179, 0.2195**, and **15.5466, 0.3159, 0.1514** is the 20% darker color. If you saturate the color by 10%, you get **30.9791, 0.3205, 0.1640**, and if you desaturate by 10%, it is **38.2764, 0.3192, 0.1904**.

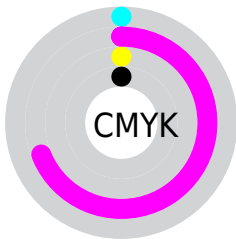
Distribution



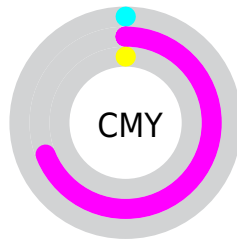
- Red (100%)
- Green (31%)
- Blue (100%)



- Red (100%)
- Yellow (31%)
- Blue (100%)



- Cyan (0%)
- Magenta (69%)
- Yellow (0%)
- Black (0%)





- Cyan (0%)
- Magenta (69%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.9288, 0.3199, 0.1750 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 33.9288, 0.3199, 0.1750 by changing the saturation by 10% instead.


 33.9288, 0.3199,
0.1750


 33.9288, 0.3199,
0.1750


319.8145, 0.3204,
0.2430

 22.8389, 0.3188,
0.1607


 65.8229, 0.3209,
0.1977

 14.4746, 0.3170,
0.1438


 87.3960, 0.3210,
0.2068

 8.4515, 0.3139,
0.1237


 113.2322, 0.3210,
0.2147

 4.3852, 0.3085,
0.0998

 143.7159, 0.3210,
0.2217

 1.8913, 0.2992,
0.0717

179.2316, 0.3209,
0.2279

 0.5431, 0.2830,
0.0377

220.1637, 0.3207,

 0.0000, 0.2530,

0.2335

0.0000

266.8965, 0.3206,
0.2385

■ 0.0000, 0.1756,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 33.9288, 0.3199,
0.1750

■ 33.9288, 0.3199,
0.1750

■ 30.9791, 0.3205,
0.1640

■ 38.2764, 0.3192,
0.1904

■ 29.2630, 0.3208,
0.1573


■ 44.1754, 0.3183,
0.2095


■ 28.5121, 0.3209,
0.1543

■ 51.7502, 0.3173,
0.2315

■ 28.4800, 0.3209,
0.1542

■ 61.1147, 0.3162,
0.2556

 72.3730, 0.3150,
0.2806

 85.6210, 0.3138,
0.3058

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.



33.9288, 0.1936, 0.1396



33.9288, 0.3199, 0.1750



33.9288, 0.4818, 0.2374

Triad

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



33.9288, 0.3199, 0.1750



33.9288, 0.4898, 0.4984



33.9288, 0.0987, 0.2509

Complementary

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



33.9288, 0.3199, 0.1750



73.6887, 0.3022, 0.5529

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.



33.9288, 0.1466, 0.4268



33.9288, 0.3199, 0.1750



33.9288, 0.3696, 0.5992

Square

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



33.9288, 0.3199, 0.1750



33.9288, 0.5780, 0.3962



33.9288, 0.2469, 0.6003



33.9288, 0.0943, 0.1636

Rectangle

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



33.9288, 0.3199, 0.1750



33.9288, 0.5645, 0.2870



33.9288, 0.2469, 0.6003



33.9288, 0.1088, 0.2995

Sweetspot

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



33.9260, 0.3199, 0.1750



70.4634, 0.3152, 0.2766



14.2849, 0.1781, 0.1064



14.3934, 0.3155, 0.2697



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.



33.9260, 0.3199, 0.1750



30.2333, 0.3206, 0.1611



29.4772, 0.4252, 0.2463



18.3004, 0.3138, 0.3056



14.8814, 0.3209, 0.1542



1.4490, 0.3209, 0.1542

Inverse Universe

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



33.9260, 0.3199, 0.1750



30.2333, 0.3206, 0.1611



75.9101, 0.2691, 0.4458



18.3004, 0.3138, 0.3056



14.8814, 0.3209, 0.1542



1.4490, 0.3209, 0.1542

Previews

White Background



This preview shows how the Yxy color 33.9288, 0.3199, 0.1750 looks on a white background.

Color Contrast Check

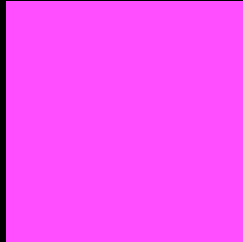
Large Text (above 18pt) WCAG AA × Fail

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 33.9288, 0.3199, 0.1750 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

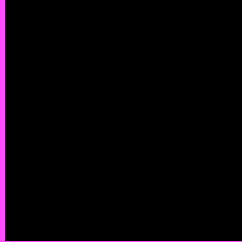
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 33.9288, 0.3199, 0.1750

Background



This preview shows how black text looks on a background with the Yxy color 33.9288, 0.3199, 0.1750.



This preview shows how white text looks on a background with the Yxy color 33.9288, 0.3199, 0.1750.

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

33.9288, 0.3199, 0.1750

Protanopia

34.3757, 0.2167, 0.2014

Deuteranopia

34.1624, 0.2214, 0.2150



Tritanopia

33.6922, 0.4464, 0.3208

Trichromacy



Original Color

33.9288, 0.3199, 0.1750



Protanomaly

30.6142, 0.2438, 0.1795



Deuteranomaly

30.1531, 0.2472, 0.1863



Tritanomaly

32.7520, 0.3987, 0.2576

Monochromacy



Original Color

33.9288, 0.3199, 0.1750



Achromatopsia

30.9469, 0.3127, 0.3290



Achromatomaly

28.9082, 0.3167, 0.2449

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.9288, 0.3199, 0.1750 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, 78, 255)` looks like.

```
.text, #text, p{  
    color:rgb(255, 78, 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, 78, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 78, 255) }
```

Border

The CSS property to change the border of an element to Yxy 33.9288, 0.3199, 0.1750 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, 78, 255) }
```

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

```
.border{ border-color:rgb(255, 78, 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, 78, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 78, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 78, 255);  
box-shadow:4px 4px 4px 4px rgb(255, 78,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 33.9288, 0.3199, 0.1750 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 78, 255) }
```

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

```
.background{ background-color: rgb(255, 78,  
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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