

Converting Colors

$Y_{xy}(33.4436, 0.3356, 0.1878)$

Have a look what the booklet for
Yxy(33.4436, 0.3356, 0.1878)
contains.

Yxy(33.5266, 0.3355, 0.1880)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(33.5266, 0.3355, 0.1880)

Conversions

Conversions Part 1

Format	Color
Hex	FF52EF
RGB	255, 82, 239
RGB Percent	100%, 32%, 94%
CMY	0.0001, 0.6783, 0.0628
CMYK	0.00, 0.68, 0.06, 0.00
HSL	306°, 100%, 66%
HSV	306°, 68%, 100%
XYZ	59.8307, 33.5266, 84.9757
YIQ	151.6250, 52.7110, 85.5030

Conversions

Conversions Part 2

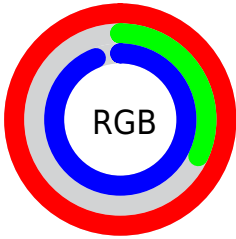
Format	Color
R _Y B	255, 82, 239
Decimal	16732911
CIE Lab	64.59, 81.16, -45.20
CIE LCh	65, 92.901, 330.888
Yxy	33.5266, 0.3355, 0.1880
Android (android.graphics.Color)	4294922991 (0xFFFF52EF)
YUV	151.6250, 43.0759, 90.6599
Hunter-Lab	57.9022, 83.1165, -46.4809

Details

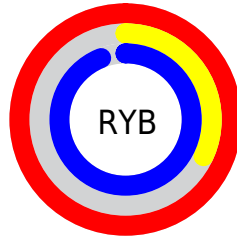
The Yxy color **33.5266, 0.3355, 0.1880** is a light color, and the websafe version is hex **FF66FF**. The color can be described as light muted magenta. A complement of this color would be **74.1845, 0.2975, 0.5325**, and the grayscale version is **31.0306, 0.3127, 0.3290**.

A 20% lighter version of the original color is **48.4265, 0.3177, 0.2221**, and **14.8467, 0.3371, 0.1631** is the 20% darker color. If you saturate the color by 10%, you get **30.2304, 0.3391, 0.1770**, and if you desaturate by 10%, it is **38.2556, 0.3318, 0.2031**.

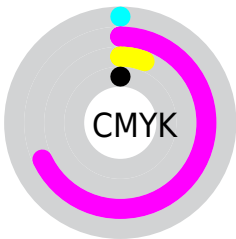
Distribution



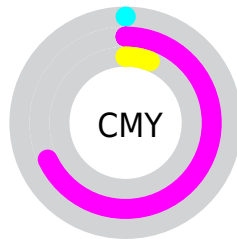
- Red (100%)
- Green (32%)
- Blue (94%)



- Red (100%)
- Yellow (32%)
- Blue (94%)



- Cyan (0%)
- Magenta (68%)
- Yellow (6%)
- Black (0%)




- Cyan (0%)
- Magenta (68%)
- Yellow (6%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.5266, 0.3355, 0.1880 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 33.5266, 0.3355, 0.1880 by changing the saturation by 10% instead.

 33.5266, 0.3355,
0.1880


 33.5266, 0.3355,
0.1880


318.0160, 0.3275,
0.2517


 22.5302, 0.3366,
0.1742

 65.1968, 0.3333,
0.2096


 14.2470, 0.3375,
0.1577


 86.6394, 0.3323,
0.2181

 8.2926, 0.3380,
0.1376


 112.3328, 0.3313,
0.2256

 4.2828, 0.3375,
0.1132

 142.6614, 0.3304,
0.2321

 1.8330, 0.3345,
0.0835

178.0096, 0.3296,
0.2378

 0.5076, 0.3275,
0.0446

218.7619, 0.3289,

 0.0000, 0.3084,

0.2430

0.0000

265.3025, 0.3282,
0.2476

■ 0.0000, 0.2111,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 33.5266, 0.3355,
0.1880

■ 33.5266, 0.3355,
0.1880

■ 30.2304, 0.3391,
0.1770

■ 38.2556, 0.3318,
0.2031

■ 28.1950, 0.3425,
0.1705

■ 44.5545, 0.3280,
0.2217

■ 27.1984, 0.3455,
0.1683

■ 52.5496, 0.3243,
0.2428

■ 27.0490, 0.3461,
0.1681

■ 62.3531, 0.3209,
0.2654

74.0676, 0.3177,
0.2885

87.7880, 0.3148,
0.3115

99.9961, 0.3127,
0.3290

Harmonies

Analogous

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



33.5266, 0.2105, 0.1505



33.5266, 0.3355, 0.1880



33.5266, 0.4849, 0.2506

Triad

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



33.5266, 0.3355, 0.1880



33.5266, 0.4745, 0.5055



33.5266, 0.1067, 0.2455

Complementary

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



33.5266, 0.3355, 0.1880



74.1845, 0.2975, 0.5325

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.



33.5266, 0.1497, 0.4005



33.5266, 0.3355, 0.1880



33.5266, 0.3601, 0.5901

Square

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



33.5266, 0.3355, 0.1880



33.5266, 0.5599, 0.4081



33.5266, 0.2427, 0.5675



33.5266, 0.1051, 0.1679

Rectangle

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



33.5266, 0.3355, 0.1880



33.5266, 0.5562, 0.2997



33.5266, 0.2427, 0.5675



33.5266, 0.1156, 0.2883

Sweetspot

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



33.5282, 0.3355, 0.1880



71.3659, 0.3183, 0.2835



15.7703, 0.1880, 0.1143



14.5537, 0.3192, 0.2770



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.



33.5282, 0.3355, 0.1880



29.4618, 0.3402, 0.1745



29.6328, 0.4417, 0.2613



18.2697, 0.3152, 0.3077



14.1482, 0.3457, 0.1678



1.3857, 0.3425, 0.1661

Inverse Universe

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



33.5282, 0.3355, 0.1880



29.4618, 0.3402, 0.1745



76.7179, 0.2632, 0.4226



18.2697, 0.3152, 0.3077



14.1482, 0.3457, 0.1678



1.3857, 0.3425, 0.1661

Previews

White Background



This preview shows how the Yxy color 33.5266, 0.3355, 0.1880 looks on a white background.

Color Contrast Check

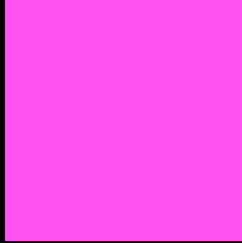
Large Text (above 18pt) WCAG AA × Fail

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 33.5266, 0.3355, 0.1880 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

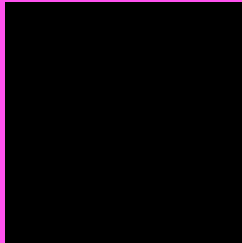
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 33.5266, 0.3355, 0.1880

Background



This preview shows how black text looks on a background with the Yxy color 33.5266, 0.3355, 0.1880.



This preview shows how white text looks on a background with the Yxy color 33.5266, 0.3355, 0.1880.

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

33.5266, 0.3355, 0.1880

Protanopia

33.9760, 0.2159, 0.2000

Deuteranopia

33.6333, 0.2366, 0.2299



Tritanopia

33.2579, 0.4538, 0.3209

Trichromacy



Original Color

33.5266, 0.3355, 0.1880



Protanomaly

30.3849, 0.2468, 0.1850



Deuteranomaly

30.2632, 0.2648, 0.2016



Tritanomaly

32.4280, 0.4104, 0.2651

Monochromacy



Original Color

33.5266, 0.3355, 0.1880



Achromatopsia

31.3989, 0.3127, 0.3290



Achromatomaly

29.4583, 0.3216, 0.2545

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.5266, 0.3355, 0.1880 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, 82, 239)` looks like.

```
.text, #text, p{  
    color:rgb(255, 82, 239)  
}
```

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, 82, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 82, 239) }
```

Border

The CSS property to change the border of an element to Yxy 33.5266, 0.3355, 0.1880 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, 82, 239) }
```

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

```
.border{ border-color:rgb(255, 82, 239) }
```

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

Here you see how a box with a 4 pixel rgb(255, 82, 239) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 82, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 82, 239);  
box-shadow:4px 4px 4px 4px rgb(255, 82,  
239) }
```


Background

The CSS property to change the background color of an element to Yxy 33.5266, 0.3355, 0.1880 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 82, 239) }
```

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

```
.background{ background-color: rgb(255, 82,  
239) }
```

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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