

Converting Colors

Yxy(51.6068, 0.3693, 0.2341)

Have a look what the booklet for
Yxy(51.6068, 0.3693, 0.2341)
contains.

Yxy(42.9303, 0.3326, 0.2213)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(42.9303, 0.3326, 0.2213)

Conversions

Conversions Part 1

Format	Color
Hex	FF80EF
RGB	255, 128, 239
RGB Percent	100%, 50%, 94%
CMY	0.0002, 0.4978, 0.0628
CMYK	0.00, 0.50, 0.06, 0.00
HSL	308°, 100%, 75%
HSV	308°, 50%, 100%
XYZ	64.5215, 42.9303, 86.5396
YIQ	178.6270, 40.0610, 61.4450

Conversions

Conversions Part 2

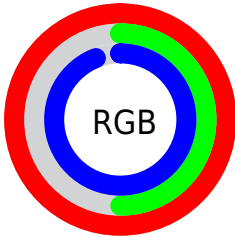
Format	Color
R _Y B	255, 128, 239
Decimal	16744687
CIE Lab	71.51, 62.24, -34.38
CIE LCh	72, 71.110, 331.083
Yxy	42.9303, 0.3326, 0.2213
Android (android.graphics.Color)	4294934767 (0xFFFF80EF)
YUV	178.6270, 29.7639, 66.9791
Hunter-Lab	65.5212, 61.1144, -32.4446

Details

The Yxy color **42.9303, 0.3326, 0.2213** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **78.0893, 0.2982, 0.4687**, and the grayscale version is **44.6996, 0.3127, 0.3290**.

A 20% lighter version of the original color is **63.1779, 0.3159, 0.2604**, and **19.7894, 0.3354, 0.1974** is the 20% darker color. If you saturate the color by 10%, you get **36.9054, 0.3375, 0.2037**, and if you desaturate by 10%, it is **50.6331, 0.3279, 0.2415**.

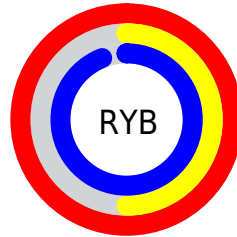
Distribution



Red (100%)

Green (50%)

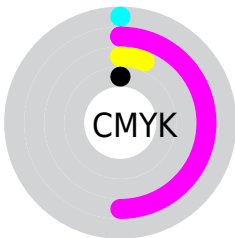
Blue (94%)



Red (100%)

Yellow (50%)

Blue (94%)

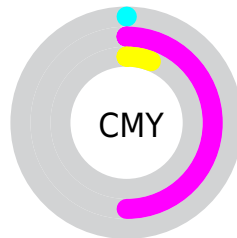


Cyan (0%)

Magenta (50%)

Yellow (6%)

Black (0%)



Cyan (0%)


Magenta (50%)


Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 42.9303, 0.3326, 0.2213 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 42.9303, 0.3326, 0.2213 by changing the saturation by 10% instead.


 42.9303, 0.3326,
0.2213

 42.9303, 0.3326,
0.2213


358.3251, 0.3248,
0.2702

 29.8304, 0.3340,
0.2105


 79.6057, 0.3302,
0.2380

 19.7099, 0.3355,
0.1973


 103.9500, 0.3292,
0.2446

 12.1844, 0.3371,
0.1811


 132.8112, 0.3282,
0.2503

 6.8694, 0.3386,
0.1607

166.5737, 0.3274,
0.2553

 3.3805, 0.3395,
0.1344

205.6220, 0.3267,
0.2597

 1.3335, 0.3384,
0.1004

250.3404, 0.3260,

 0.1669, 0.3414,

0.2636

0.0287

301.1133, 0.3253,
0.2671

0.0000, 0.3025,
0.0000

0.0000, 0.0000,
0.0000

42.9303, 0.3326,
0.2213

42.9303, 0.3326,
0.2213

36.9054, 0.3375,
0.2037

50.6331, 0.3279,
0.2415

32.4249, 0.3424,
0.1897

60.1223, 0.3235,
0.2632

29.3448, 0.3473,
0.1800

71.5041, 0.3194,
0.2856

27.4914, 0.3518,
0.1748

84.8746, 0.3158,
0.3079

■ 26.5874, 0.3561,
0.1736

99.9888, 0.3127,
0.3290

■ 26.5709, 0.3562,
0.1736

Harmonies

Analogous

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



42.9303, 0.2384, 0.1899



42.9303, 0.3326, 0.2213



42.9303, 0.4365, 0.2736

Triad

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



42.9303, 0.3326, 0.2213



42.9303, 0.4475, 0.4759



42.9303, 0.1534, 0.2737

Complementary

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



42.9303, 0.3326, 0.2213



78.0893, 0.2982, 0.4687

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.



42.9303, 0.1934, 0.3808



42.9303, 0.3326, 0.2213



42.9303, 0.3622, 0.5181

Square

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



42.9303, 0.3326, 0.2213



42.9303, 0.5029, 0.4072



42.9303, 0.2693, 0.4867



42.9303, 0.1492, 0.2091

Rectangle

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



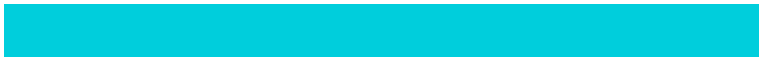
42.9303, 0.3326, 0.2213



42.9303, 0.4877, 0.3156



42.9303, 0.2693, 0.4867



42.9303, 0.1625, 0.3055

Sweetspot

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



42.9323, 0.3326, 0.2213



77.6711, 0.3177, 0.2963



28.4950, 0.2265, 0.1741



16.0331, 0.3184, 0.2916



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.



42.9323, 0.3326, 0.2213



36.8054, 0.3376, 0.2034



39.8629, 0.3980, 0.2791



18.2587, 0.3157, 0.3085



13.9066, 0.3555, 0.1732



1.3646, 0.3510, 0.1707

Inverse Universe

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



42.9323, 0.3326, 0.2213



36.8054, 0.3376, 0.2034



80.5465, 0.2690, 0.3881



18.2587, 0.3157, 0.3085



13.9066, 0.3555, 0.1732



1.3646, 0.3510, 0.1707

Previews

White Background



This preview shows how the Yxy color 42.9303, 0.3326, 0.2213 looks on a white background.

Color Contrast Check

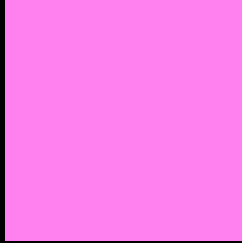
Large Text (above 18pt) WCAG AA × Fail

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 42.9303, 0.3326, 0.2213 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

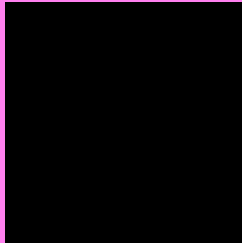
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 42.9303, 0.3326, 0.2213

Background



This preview shows how black text looks on a background with the Yxy color 42.9303, 0.3326, 0.2213.

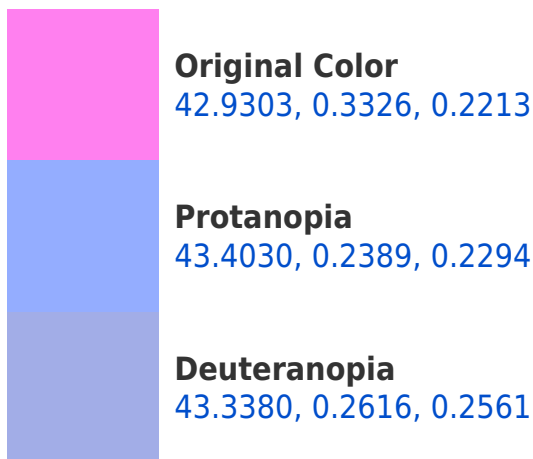


This preview shows how white text looks on a background with the Yxy color 42.9303, 0.3326, 0.2213.

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

42.9289, 0.4036, 0.3173

Trichromacy



Original Color

42.9303, 0.3326, 0.2213



Protanomaly

41.5183, 0.2667, 0.2230



Deuteranomaly

41.7902, 0.2842, 0.2391



Tritanomaly

42.4838, 0.3775, 0.2793

Monochromacy



Original Color

42.9303, 0.3326, 0.2213



Achromatopsia

45.0786, 0.3127, 0.3290



Achromatomaly

42.6241, 0.3205, 0.2797

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.9303, 0.3326, 0.2213 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, 128, 239)` looks like.

```
.text, #text, p{  
    color:rgb(255, 128, 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, 128, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 128, 239) }
```

Border

The CSS property to change the border of an element to Yxy 42.9303, 0.3326, 0.2213 is called "border". The border property can be set on classes, ids or directly on the HTML element.

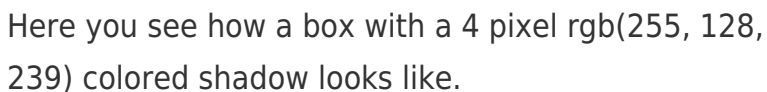
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(255, 128, 239) }
```

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

```
.border{ border-color:rgb(255, 128, 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, 128, 239)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 128, 239); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 128, 239); box-shadow:4px 4px 4px 4px rgb(255, 128, 239) }
```


Background

The CSS property to change the background color of an element to Yxy 42.9303, 0.3326, 0.2213 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 128, 239) }
```

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

```
.background{ background-color: rgb(255,  
128, 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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