

Converting Colors

$Y_{xy}(45.6128, 0.3432, 0.2429)$

Have a look what the booklet for
Yxy(45.6128, 0.3432, 0.2429)
contains.

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Color

Yxy(45.5622, 0.3428, 0.2422)

Conversions

Conversions Part 1

Format	Color
Hex	FF8CE3
RGB	255, 140, 227
RGB Percent	100%, 55%, 89%
CMY	0.0000, 0.4510, 0.1098
CMYK	0.00, 0.45, 0.11, 0.00
HSL	315°, 100%, 77%
HSV	315°, 45%, 100%
XYZ	64.4869, 45.5622, 78.0690
YIQ	184.3030, 40.6130, 51.4370

Conversions

Conversions Part 2

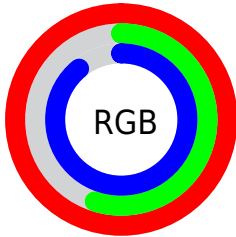
Format	Color
R _Y B	255, 140, 227
Decimal	16747747
CIE Lab	73.26, 54.61, -25.11
CIE LCh	73, 60.106, 335.307
Yxy	45.5622, 0.3428, 0.2422
Android (android.graphics.Color)	4294937827 (0xFFFF8CE3)
YUV	184.3030, 21.0496, 62.0013
Hunter-Lab	67.4998, 52.4079, -21.3239

Details

The Yxy color **45.5622, 0.3428, 0.2422** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **79.9223, 0.2928, 0.4362**, and the grayscale version is **47.9720, 0.3127, 0.3290**.

A 20% lighter version of the original color is **67.9599, 0.3154, 0.2712**, and **21.1730, 0.3498, 0.2220** is the 20% darker color. If you saturate the color by 10%, you get **38.6166, 0.3518, 0.2252**, and if you desaturate by 10%, it is **54.2453, 0.3345, 0.2610**.

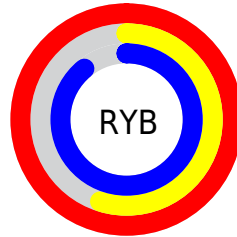
Distribution



Red (100%)

Green (55%)

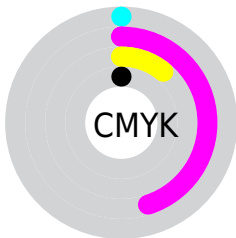
Blue (89%)



Red (100%)

Yellow (55%)

Blue (89%)

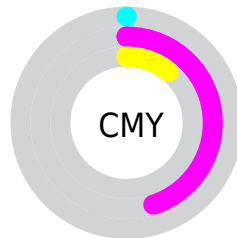


Cyan (0%)

Magenta (45%)

Yellow (11%)

Black (0%)



Cyan (0%)

Magenta (45%)

Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.5622, 0.3428, 0.2422 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 45.5622, 0.3428, 0.2422 by changing the saturation by 10% instead.


 45.5622, 0.3428,
0.2422

 45.5622, 0.3428,
0.2422


369.0457, 0.3293,
0.2823

 31.9005, 0.3458,
0.2332


 83.5634, 0.3382,
0.2560

 21.2855, 0.3493,
0.2220

 108.6717, 0.3364,
0.2614

 13.3329, 0.3538,
0.2081


138.3643, 0.3348,
0.2661

 7.6581, 0.3593,
0.1902

173.0256, 0.3334,
0.2702

 3.8770, 0.3663,
0.1665

213.0400, 0.3322,
0.2737

 1.6050, 0.3752,
0.1341

258.7919, 0.3311,

 0.3610, 0.3931,

0.2769

0.0716

310.6657, 0.3301,
0.2797

■ 0.0000, 0.3982,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 45.5622, 0.3428,
0.2422

■ 45.5622, 0.3428,
0.2422

■ 38.6166, 0.3518,
0.2252

■ 54.2453, 0.3345,
0.2610

■ 33.2893, 0.3615,
0.2110

■ 64.7773, 0.3272,
0.2807

■ 29.4430, 0.3715,
0.2008

■ 77.2580, 0.3208,
0.3004

■ 26.9183, 0.3814,
0.1952

■ 91.7806, 0.3152,
0.3196

■ 25.5189, 0.3911,
0.1944

100.0000, 0.3127,
0.3290

■ 25.1066, 0.3957,
0.1953

Harmonies

Analogous

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



45.5622, 0.2605, 0.2115



45.5622, 0.3428, 0.2422



45.5622, 0.4261, 0.2906

Triad

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



45.5622, 0.3428, 0.2422



45.5622, 0.4216, 0.4633



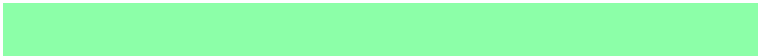
45.5622, 0.1736, 0.2750

Complementary

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



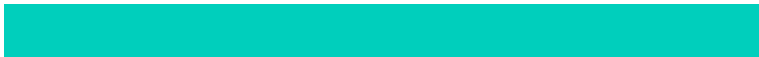
45.5622, 0.3428, 0.2422



79.9223, 0.2928, 0.4362

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.



45.5622, 0.2056, 0.3593



45.5622, 0.3428, 0.2422



45.5622, 0.3474, 0.4855

Square

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



45.5622, 0.3428, 0.2422



45.5622, 0.4706, 0.4096



45.5622, 0.2682, 0.4467



45.5622, 0.1731, 0.2230

Rectangle

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



45.5622, 0.3428, 0.2422



45.5622, 0.4644, 0.3287



45.5622, 0.2682, 0.4467



45.5622, 0.1806, 0.3001

Sweetspot

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



45.5616, 0.3428, 0.2422



78.7525, 0.3201, 0.3025



34.1726, 0.2456, 0.1937



16.2332, 0.3214, 0.2983



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.



45.5616, 0.3428, 0.2422



39.2984, 0.3508, 0.2269



42.9430, 0.4010, 0.2972



18.2203, 0.3175, 0.3112



13.1435, 0.3942, 0.1945



1.2969, 0.3840, 0.1889

Inverse Universe

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



45.5616, 0.3428, 0.2422



39.2984, 0.3508, 0.2269



82.4951, 0.2657, 0.3649



18.2203, 0.3175, 0.3112



13.1435, 0.3942, 0.1945



1.2969, 0.3840, 0.1889

Previews

White Background



This preview shows how the Yxy color 45.5622, 0.3428, 0.2422 looks on a white background.

Color Contrast Check

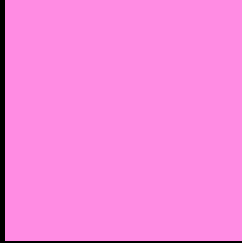
Large Text (above 18pt) WCAG AA × Fail

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 45.5622, 0.3428, 0.2422 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

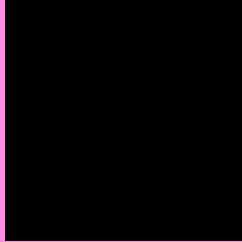
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 45.5622, 0.3428, 0.2422

Background



This preview shows how black text looks on a background with the Yxy color 45.5622, 0.3428, 0.2422.



This preview shows how white text looks on a background with the Yxy color 45.5622, 0.3428, 0.2422.

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

45.5622, 0.3428, 0.2422

Protanopia

46.1287, 0.2448, 0.2368

Deuteranopia

45.6182, 0.2796, 0.2730



Tritanopia

45.4555, 0.3959, 0.3163

Trichromacy



Original Color

45.5622, 0.3428, 0.2422



Protanomaly

44.3500, 0.2738, 0.2358



Deuteranomaly

44.5012, 0.3004, 0.2591



Tritanomaly

45.3199, 0.3764, 0.2869

Monochromacy



Original Color

45.5622, 0.3428, 0.2422



Achromatopsia

47.9320, 0.3127, 0.3290



Achromatomaly

45.8770, 0.3235, 0.2909

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.5622, 0.3428, 0.2422 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, 140, 227)` looks like.

```
.text, #text, p{  
    color:rgb(255, 140, 227)  
}
```

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, 140, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 140, 227) }
```

Border

The CSS property to change the border of an element to Yxy 45.5622, 0.3428, 0.2422 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, 140, 227) }
```

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

```
.border{ border-color:rgb(255, 140, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 140, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 140, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 140, 227);  
box-shadow:4px 4px 4px 4px rgb(255, 140,  
227) }
```


Background

The CSS property to change the background color of an element to Yxy 45.5622, 0.3428, 0.2422 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 140, 227) }
```

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

```
.background{ background-color: rgb(255,  
140, 227) }
```

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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