

Converting Colors

$Y_{xy}(45.9995, 0.3359, 0.2357)$

Have a look what the booklet for
Yxy(45.9995, 0.3359, 0.2357)
contains.

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Color

Yxy(45.9567, 0.3363, 0.2361)

Conversions

Conversions Part 1

Format	Color
Hex	FF8CEA
RGB	255, 140, 234
RGB Percent	100%, 55%, 92%
CMY	0.0001, 0.4509, 0.0825
CMYK	0.00, 0.45, 0.08, 0.00
HSL	311°, 100%, 77%
HSV	311°, 45%, 100%
XYZ	65.4606, 45.9567, 83.2320
YIQ	185.1010, 38.3660, 53.6140

Conversions

Conversions Part 2

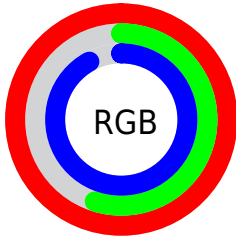
Format	Color
R _Y B	255, 140, 234
Decimal	16747754
CIE _{Lab}	73.52, 55.70, -28.53
CIE _{LCh}	74, 62.584, 332.880
Y _{xy}	45.9567, 0.3363, 0.2361
Android (android.graphics.Color)	4294937834 (0xFFFF8CEA)
YUV	185.1010, 24.1072, 61.3014
Hunter-Lab	67.7914, 53.7279, -25.3404

Details

The Yxy color **45.9567, 0.3363, 0.2361** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **79.6635, 0.2962, 0.4450**, and the grayscale version is **48.4248, 0.3127, 0.3290**.

A 20% lighter version of the original color is **67.9599, 0.3154, 0.2712**, and **21.4471, 0.3406, 0.2146** is the 20% darker color. If you saturate the color by 10%, you get **39.0846, 0.3431, 0.2181**, and if you desaturate by 10%, it is **54.5664, 0.3300, 0.2561**.

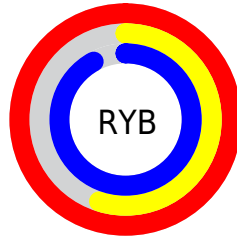
Distribution



Red (100%)

Green (55%)

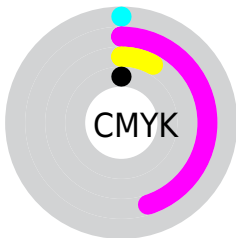
Blue (92%)



Red (100%)

Yellow (55%)

Blue (92%)

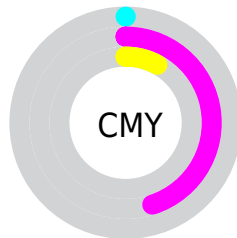


Cyan (0%)

Magenta (45%)

Yellow (8%)

Black (0%)



Cyan (0%)


Magenta (45%)

Yellow (8%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.9567, 0.3363, 0.2361 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 45.9567, 0.3363, 0.2361 by changing the saturation by 10% instead.


 45.9567, 0.3363,
0.2361


 45.9567, 0.3363,
0.2361


370.6345, 0.3262,
0.2786

 32.2117, 0.3384,
0.2266


 84.1542, 0.3330,
0.2507

 21.5232, 0.3408,
0.2150


 109.3754, 0.3316,
0.2564

 13.5070, 0.3437,
0.2005


139.1908, 0.3304,
0.2614

 7.7786, 0.3470,
0.1821

173.9848, 0.3294,
0.2657

 3.9536, 0.3509,
0.1580

214.1418, 0.3285,
0.2695

 1.6476, 0.3548,
0.1256

260.0462, 0.3276,

 0.3894, 0.3622,

0.2729

0.0678

312.0823, 0.3269,
0.2759

0.0000, 0.3543,
0.0000

0.0000, 0.0000,
0.0000

45.9567, 0.3363,
0.2361

45.9567, 0.3363,
0.2361

39.0846, 0.3431,
0.2181

54.5664, 0.3300,
0.2561

33.8229, 0.3502,
0.2030

65.0167, 0.3242,
0.2771

30.0369, 0.3575,
0.1919

77.4102, 0.3192,
0.2982

27.5675, 0.3646,
0.1853

91.8399, 0.3147,
0.3188

■ 26.2186, 0.3713,
0.1834

99.9973, 0.3127,
0.3290

■ 25.8287, 0.3746,
0.1837

Harmonies

Analogous

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



45.9567, 0.2526, 0.2063



45.9567, 0.3363, 0.2361



45.9567, 0.4243, 0.2845

Triad

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



45.9567, 0.3363, 0.2361



45.9567, 0.4300, 0.4636



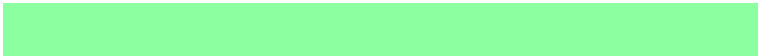
45.9567, 0.1706, 0.2785

Complementary

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



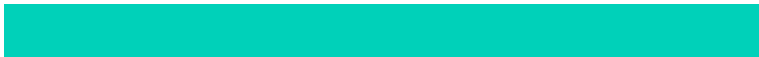
45.9567, 0.3363, 0.2361



79.6635, 0.2962, 0.4450

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.



45.9567, 0.2059, 0.3682



45.9567, 0.3363, 0.2361



45.9567, 0.3546, 0.4919

Square

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



45.9567, 0.3363, 0.2361



45.9567, 0.4783, 0.4063



45.9567, 0.2725, 0.4576



45.9567, 0.1678, 0.2223

Rectangle

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



45.9567, 0.3363, 0.2361



45.9567, 0.4665, 0.3232



45.9567, 0.2725, 0.4576



45.9567, 0.1786, 0.3054

Sweetspot

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



45.9588, 0.3363, 0.2361



78.8863, 0.3187, 0.3005



33.3721, 0.2401, 0.1918



16.2661, 0.3197, 0.2959



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.



45.9588, 0.3363, 0.2361



39.7555, 0.3424, 0.2199



43.2488, 0.3926, 0.2893



18.2400, 0.3166, 0.3098



13.5184, 0.3735, 0.1831



1.3304, 0.3664, 0.1792

Inverse Universe

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



45.9588, 0.3363, 0.2361



39.7555, 0.3424, 0.2199



82.0809, 0.2693, 0.3743



18.2400, 0.3166, 0.3098



13.5184, 0.3735, 0.1831



1.3304, 0.3664, 0.1792

Previews

White Background



This preview shows how the Yxy color 45.9567, 0.3363, 0.2361 looks on a white background.

Color Contrast Check

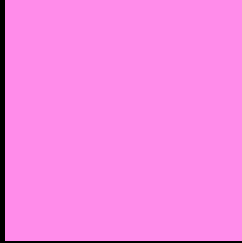
Large Text (above 18pt) WCAG AA × Fail

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 45.9567, 0.3363, 0.2361 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

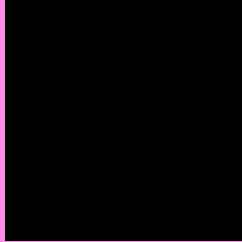
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 45.9567, 0.3363, 0.2361

Background



This preview shows how black text looks on a background with the Yxy color 45.9567, 0.3363, 0.2361.



This preview shows how white text looks on a background with the Yxy color 45.9567, 0.3363, 0.2361.

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

45.9567, 0.3363, 0.2361

Protanopia

46.6283, 0.2456, 0.2382

Deuteranopia

46.1043, 0.2741, 0.2673



Tritanopia

45.9700, 0.3932, 0.3173

Trichromacy



Original Color

45.9567, 0.3363, 0.2361



Protanomaly

44.9631, 0.2733, 0.2353



Deuteranomaly

45.1015, 0.2941, 0.2529



Tritanomaly

45.8983, 0.3719, 0.2857

Monochromacy



Original Color

45.9567, 0.3363, 0.2361



Achromatopsia

48.5150, 0.3127, 0.3290



Achromatomaly

46.3894, 0.3208, 0.2887

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.9567, 0.3363, 0.2361 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, 234)` looks like.

```
.text, #text, p{  
    color:rgb(255, 140, 234)  
}
```

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, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 140, 234) }
```

Border

The CSS property to change the border of an element to Yxy 45.9567, 0.3363, 0.2361 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, 234) }
```

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

```
.border{ border-color:rgb(255, 140, 234) }
```

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, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 140, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 140, 234);  
box-shadow:4px 4px 4px 4px rgb(255, 140,  
234) }
```


Background

The CSS property to change the background color of an element to Yxy 45.9567, 0.3363, 0.2361 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, 234) }
```

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

```
.background{ background-color: rgb(255,  
140, 234) }
```

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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