

Converting Colors

$Y_{xy}(45.1381, 0.3487, 0.2475)$

Have a look what the booklet for
Yxy(45.1381, 0.3487, 0.2475)
contains.

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Color

Yxy(45.2366, 0.3485, 0.2476)

Conversions

Conversions Part 1

Format	Color
Hex	FF8CDD
RGB	255, 140, 221
RGB Percent	100%, 55%, 87%
CMY	0.0000, 0.4510, 0.1333
CMYK	0.00, 0.45, 0.13, 0.00
HSL	318°, 100%, 77%
HSV	318°, 45%, 100%
XYZ	63.6711, 45.2366, 73.7927
YIQ	183.6190, 42.5390, 49.5710

Conversions

Conversions Part 2

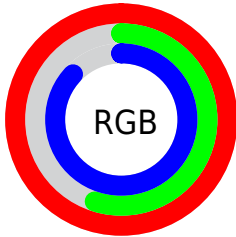
Format	Color
RYB	255, 140, 221
Decimal	16747741
CIELab	73.05, 53.67, -22.15
CIElCh	73, 58.058, 337.576
Yxy	45.2366, 0.3485, 0.2476
Android (android.graphics.Color)	4294937821 (0xFFFF8CDD)
YUV	183.6190, 18.4288, 62.6011
Hunter-Lab	67.2582, 51.2782, -17.9696

Details

The Yxy color **45.2366, 0.3485, 0.2476** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **80.1512, 0.2899, 0.4286**, and the grayscale version is **47.5920, 0.3127, 0.3290**.

A 20% lighter version of the original color is **67.9599, 0.3154, 0.2712**, and **21.1445, 0.3563, 0.2285** is the 20% darker color. If you saturate the color by 10%, you get **38.2369, 0.3596, 0.2315**, and if you desaturate by 10%, it is **53.9842, 0.3385, 0.2654**.

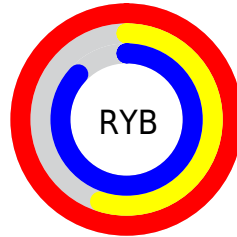
Distribution



Red (100%)

Green (55%)

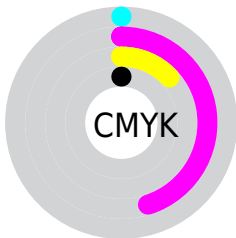
Blue (87%)



Red (100%)

Yellow (55%)

Blue (87%)

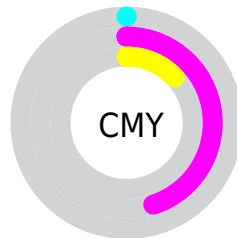


Cyan (0%)

Magenta (45%)

Yellow (13%)

Black (0%)



Cyan (0%)


Magenta (45%)


Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.2366, 0.3485, 0.2476 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 45.2366, 0.3485, 0.2476 by changing the saturation by 10% instead.


 45.2366, 0.3485,
0.2476


 45.2366, 0.3485,
0.2476


367.7310, 0.3319,
0.2854

 31.6438, 0.3523,
0.2390


 83.0753, 0.3428,
0.2607

 21.0896, 0.3569,
0.2283


 108.0901, 0.3405,
0.2658

 13.1895, 0.3627,
0.2149


137.6810, 0.3386,
0.2702

 7.5592, 0.3702,
0.1976

172.2324, 0.3369,
0.2741

 3.8142, 0.3801,
0.1743

212.1287, 0.3355,
0.2774

 1.5702, 0.3938,
0.1421

257.7543, 0.3341,

 0.3374, 0.4226,

0.2804

0.0749

309.4936, 0.3330,
0.2831

0.0000, 0.4489,
0.0000

0.0000, 0.0000,
0.0000

45.2366, 0.3485,
0.2476

45.2366, 0.3485,
0.2476

38.2369, 0.3596,
0.2315

53.9842, 0.3385,
0.2654

32.8588, 0.3716,
0.2183

64.5841, 0.3297,
0.2838

28.9671, 0.3842,
0.2088

77.1387, 0.3221,
0.3023

26.4024, 0.3968,
0.2041

91.7412, 0.3156,
0.3202

■ 24.9682, 0.4092,
0.2045

100.0000, 0.3127,
0.3290

■ 24.5407, 0.4151,
0.2060

Harmonies

Analogous

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



45.2366, 0.2675, 0.2160



45.2366, 0.3485, 0.2476



45.2366, 0.4277, 0.2959

Triad

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



45.2366, 0.3485, 0.2476



45.2366, 0.4141, 0.4628



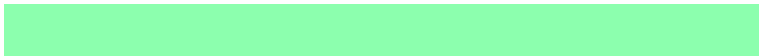
45.2366, 0.1762, 0.2720

Complementary

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



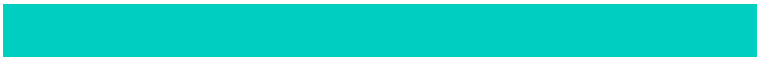
45.2366, 0.3485, 0.2476



80.1512, 0.2899, 0.4286

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.



45.2366, 0.2053, 0.3516



45.2366, 0.3485, 0.2476



45.2366, 0.3410, 0.4796

Square

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



45.2366, 0.3485, 0.2476



45.2366, 0.4639, 0.4125



45.2366, 0.2645, 0.4372



45.2366, 0.1778, 0.2236

Rectangle

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



45.2366, 0.3485, 0.2476



45.2366, 0.4625, 0.3336



45.2366, 0.2645, 0.4372



45.2366, 0.1824, 0.2955

Sweetspot

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



45.2384, 0.3485, 0.2476



78.6387, 0.3213, 0.3043



34.8141, 0.2499, 0.1952



16.2053, 0.3229, 0.3004



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.



45.2384, 0.3485, 0.2476



38.9233, 0.3583, 0.2332



42.7307, 0.4074, 0.3032



18.2035, 0.3184, 0.3124



12.8505, 0.4132, 0.2050



1.2704, 0.4001, 0.1978

Inverse Universe

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



45.2384, 0.3485, 0.2476



38.9233, 0.3583, 0.2332



82.8136, 0.2631, 0.3579



18.2035, 0.3184, 0.3124



12.8505, 0.4132, 0.2050



1.2704, 0.4001, 0.1978

Previews

White Background



This preview shows how the Yxy color 45.2366, 0.3485, 0.2476 looks on a white background.

Color Contrast Check

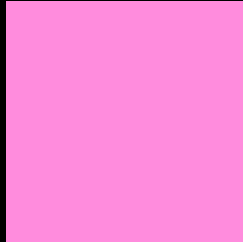
Large Text (above 18pt) WCAG AA × Fail

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 45.2366, 0.3485, 0.2476 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

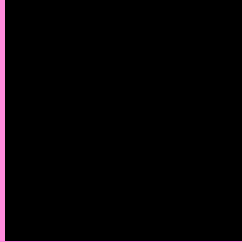
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 45.2366, 0.3485, 0.2476

Background



This preview shows how black text looks on a background with the Yxy color 45.2366, 0.3485, 0.2476.

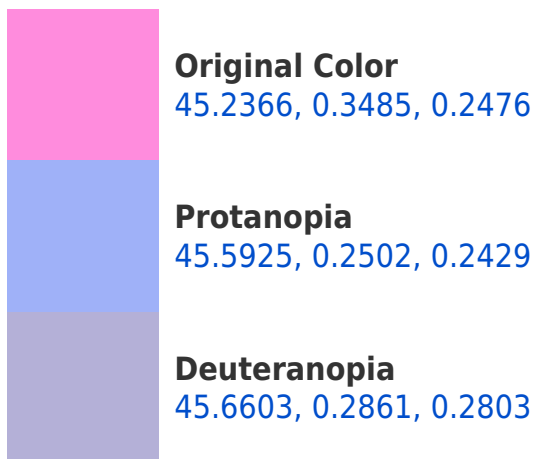


This preview shows how white text looks on a background with the Yxy color 45.2366, 0.3485, 0.2476.

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

45.2406, 0.3993, 0.3174

Trichromacy



Original Color

45.2366, 0.3485, 0.2476



Protanomaly

44.1933, 0.2802, 0.2430



Deuteranomaly

44.4695, 0.3069, 0.2657



Tritanomaly

45.1497, 0.3805, 0.2911

Monochromacy



Original Color

45.2366, 0.3485, 0.2476



Achromatopsia

47.9320, 0.3127, 0.3290



Achromatomaly

45.7381, 0.3260, 0.2944

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.2366, 0.3485, 0.2476 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, 221)` looks like.

```
.text, #text, p{  
    color:rgb(255, 140, 221)  
}
```

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, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 140, 221) }
```

Border

The CSS property to change the border of an element to Yxy 45.2366, 0.3485, 0.2476 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, 221) }
```

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

```
.border{ border-color:rgb(255, 140, 221) }
```

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, 221) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 140, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 140, 221);  
box-shadow:4px 4px 4px 4px rgb(255, 140,  
221) }
```


Background

The CSS property to change the background color of an element to Yxy 45.2366, 0.3485, 0.2476 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, 221) }
```

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

```
.background{ background-color: rgb(255,  
140, 221) }
```

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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