

Converting Colors

$Y_{xy}(45.6528, 0.3413, 0.2408)$

Have a look what the booklet for
Yxy(45.6528, 0.3413, 0.2408)
contains.

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Color

Yxy(45.6733, 0.3409, 0.2404)

Conversions

Conversions Part 1

Format	Color
Hex	FF8CE5
RGB	255, 140, 229
RGB Percent	100%, 55%, 90%
CMY	0.0000, 0.4510, 0.1019
CMYK	0.00, 0.45, 0.10, 0.00
HSL	314°, 100%, 77%
HSV	314°, 45%, 100%
XYZ	64.7672, 45.6733, 79.5483
YIQ	184.5310, 39.9710, 52.0590

Conversions

Conversions Part 2

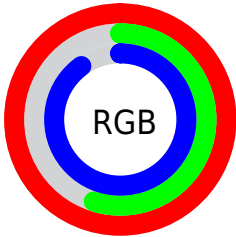
Format	Color
R _Y B	255, 140, 229
Decimal	16747749
CIE _{Lab}	73.33, 54.93, -26.11
CIE _{LCh}	73, 60.822, 334.580
Y _{xy}	45.6733, 0.3409, 0.2404
Android (android.graphics.Color)	4294937829 (0xFFFF8CE5)
YUV	184.5310, 21.9232, 61.8013
Hunter-Lab	67.5820, 52.7968, -22.4806

Details

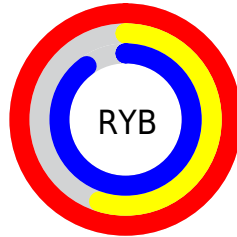
The Yxy color **45.6733, 0.3409, 0.2404** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **79.8469, 0.2938, 0.4388**, and the grayscale version is **48.0999, 0.3127, 0.3290**.

A 20% lighter version of the original color is **67.9599, 0.3154, 0.2712**, and **21.2499, 0.3471, 0.2198** is the 20% darker color. If you saturate the color by 10%, you get **38.7482, 0.3493, 0.2231**, and if you desaturate by 10%, it is **54.3342, 0.3332, 0.2596**.

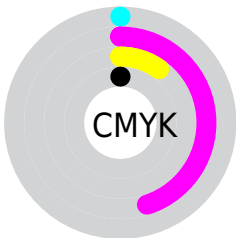
Distribution



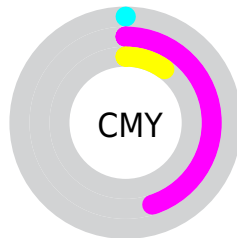
- Red (100%)
- Green (55%)
- Blue (90%)



- Red (100%)
- Yellow (55%)
- Blue (90%)



- Cyan (0%)
- Magenta (45%)
- Yellow (10%)
- Black (0%)




- Cyan (0%)
- Magenta (45%)
- Yellow (10%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.6733, 0.3409, 0.2404 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 45.6733, 0.3409, 0.2404 by changing the saturation by 10% instead.


 45.6733, 0.3409,
0.2404


 45.6733, 0.3409,
0.2404


369.4936, 0.3284,
0.2812

 31.9881, 0.3436,
0.2312


 83.7299, 0.3367,
0.2545

 21.3524, 0.3468,
0.2200


 108.8700, 0.3350,
0.2600

 13.3818, 0.3508,
0.2059


138.5972, 0.3335,
0.2647

 7.6920, 0.3557,
0.1878

173.2959, 0.3323,
0.2688

 3.8985, 0.3617,
0.1640

213.3505, 0.3311,
0.2725

 1.6170, 0.3691,
0.1316

259.1454, 0.3301,

 0.3690, 0.3838,

0.2757

0.0705

311.0650, 0.3292,
0.2786

■ 0.0000, 0.3847,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 45.6733, 0.3409,
0.2404

■ 45.6733, 0.3409,
0.2404

■ 38.7482, 0.3493,
0.2231

■ 54.3342, 0.3332,
0.2596

■ 33.4397, 0.3582,
0.2087

■ 64.8423, 0.3263,
0.2796

■ 29.6106, 0.3673,
0.1981

■ 77.2973, 0.3203,
0.2997

■ 27.1014, 0.3764,
0.1922

■ 91.7925, 0.3151,
0.3193

■ 25.7158, 0.3852,
0.1911

100.0000, 0.3127,
0.3290

■ 25.3098, 0.3894,
0.1919

Harmonies

Analogous

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



45.6733, 0.2582, 0.2099



45.6733, 0.3409, 0.2404



45.6733, 0.4256, 0.2888

Triad

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



45.6733, 0.3409, 0.2404



45.6733, 0.4240, 0.4635



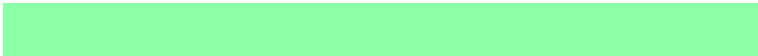
45.6733, 0.1727, 0.2760

Complementary

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



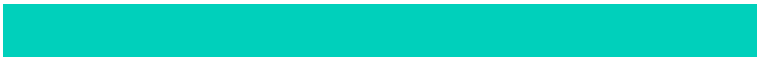
45.6733, 0.3409, 0.2404



79.8469, 0.2938, 0.4388

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.



45.6733, 0.2057, 0.3618



45.6733, 0.3409, 0.2404



45.6733, 0.3495, 0.4874

Square

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



45.6733, 0.3409, 0.2404



45.6733, 0.4729, 0.4086



45.6733, 0.2695, 0.4499



45.6733, 0.1715, 0.2228

Rectangle

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



45.6733, 0.3409, 0.2404



45.6733, 0.4650, 0.3271



45.6733, 0.2695, 0.4499



45.6733, 0.1800, 0.3016

Sweetspot

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



45.6727, 0.3409, 0.2404



78.7912, 0.3197, 0.3019



33.9640, 0.2442, 0.1932



16.2427, 0.3209, 0.2976



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.



45.6727, 0.3409, 0.2404



39.4289, 0.3483, 0.2249



43.0150, 0.3989, 0.2952



18.2260, 0.3173, 0.3108



13.2486, 0.3880, 0.1911



1.3064, 0.3787, 0.1860

Inverse Universe

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



45.6727, 0.3409, 0.2404



39.4289, 0.3483, 0.2249



82.3911, 0.2666, 0.3672



18.2260, 0.3173, 0.3108



13.2486, 0.3880, 0.1911



1.3064, 0.3787, 0.1860

Previews

White Background



This preview shows how the Yxy color 45.6733, 0.3409, 0.2404 looks on a white background.

Color Contrast Check

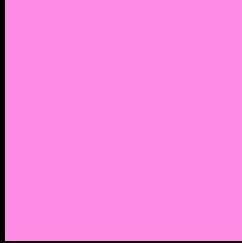
Large Text (above 18pt) WCAG AA × Fail

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 45.6733, 0.3409, 0.2404 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

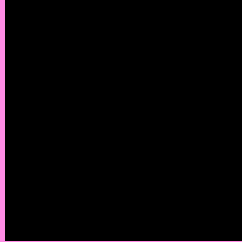
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 45.6733, 0.3409, 0.2404

Background



This preview shows how black text looks on a background with the Yxy color 45.6733, 0.3409, 0.2404.

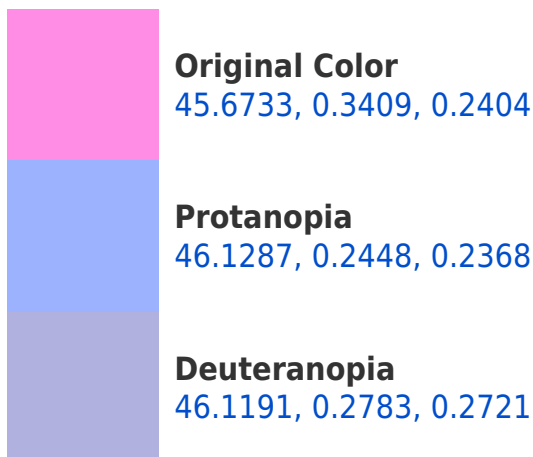


This preview shows how white text looks on a background with the Yxy color 45.6733, 0.3409, 0.2404.

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

45.7843, 0.3955, 0.3174

Trichromacy



Original Color

45.6733, 0.3409, 0.2404



Protanomaly

44.4112, 0.2731, 0.2349



Deuteranomaly

44.9663, 0.2988, 0.2582



Tritanomaly

45.6350, 0.3761, 0.2879

Monochromacy



Original Color

45.6733, 0.3409, 0.2404



Achromatopsia

48.5150, 0.3127, 0.3290



Achromatomaly

46.2946, 0.3225, 0.2910

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.6733, 0.3409, 0.2404 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, 229)` looks like.

```
.text, #text, p{  
    color:rgb(255, 140, 229)  
}
```

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, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 140, 229) }
```

Border

The CSS property to change the border of an element to Yxy 45.6733, 0.3409, 0.2404 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, 229) }
```

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

```
.border{ border-color:rgb(255, 140, 229) }
```

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, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 140, 229); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 140, 229); box-shadow:4px 4px 4px 4px rgb(255, 140, 229) }
```


Background

The CSS property to change the background color of an element to Yxy 45.6733, 0.3409, 0.2404 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, 229) }
```

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

```
.background{ background-color: rgb(255,  
140, 229) }
```

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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