

Converting Colors

$Y_{xy}(50.7739, 0.3611, 0.2414)$

Have a look what the booklet for
Yxy(50.7739, 0.3611, 0.2414)
contains.

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Color

Yxy(45.0918, 0.3365, 0.2333)

Conversions

Conversions Part 1

Format	Color
Hex	FF89EA
RGB	255, 137, 234
RGB Percent	100%, 54%, 92%
CMY	0.0000, 0.4627, 0.0822
CMYK	0.00, 0.46, 0.08, 0.00
HSL	311°, 100%, 77%
HSV	311°, 46%, 100%
XYZ	65.0381, 45.0918, 83.1483
YIQ	183.3400, 39.1910, 55.1830

Conversions

Conversions Part 2

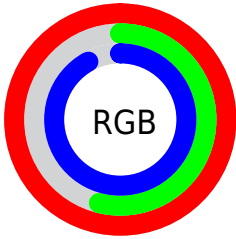
Format	Color
R _Y B	255, 137, 234
Decimal	16746986
CIE Lab	72.95, 57.19, -29.44
CIE LCh	73, 64.321, 332.759
Yxy	45.0918, 0.3365, 0.2333
Android (android.graphics.Color)	4294937066 (0xFFFF89EA)
YUV	183.3400, 24.9754, 62.8458
Hunter-Lab	67.1504, 55.3718, -26.4099

Details

The Yxy color **45.0918, 0.3365, 0.2333** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **79.2985, 0.2961, 0.4495**, and the grayscale version is **47.3964, 0.3127, 0.3290**.

A 20% lighter version of the original color is **66.6199, 0.3156, 0.2683**, and **20.9847, 0.3409, 0.2116** is the 20% darker color. If you saturate the color by 10%, you get **38.4237, 0.3432, 0.2155**, and if you desaturate by 10%, it is **53.4834, 0.3303, 0.2532**.

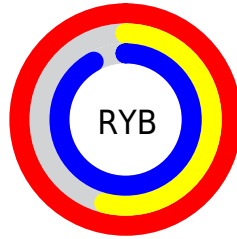
Distribution



Red (100%)

Green (54%)

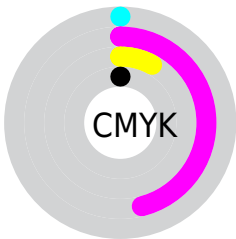
Blue (92%)



Red (100%)

Yellow (54%)

Blue (92%)

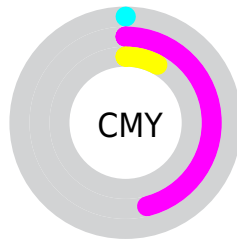


Cyan (0%)

Magenta (46%)

Yellow (8%)

Black (0%)



Cyan (0%)


Magenta (46%)

Yellow (8%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.0918, 0.3365, 0.2333 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 45.0918, 0.3365, 0.2333 by changing the saturation by 10% instead.


 45.0918, 0.3365,
0.2333

 45.0918, 0.3365,
0.2333


367.1452, 0.3264,
0.2771

 31.5297, 0.3386,
0.2235


 82.8582, 0.3332,
0.2483

 21.0026, 0.3410,
0.2116


 107.8312, 0.3318,
0.2542

 13.1259, 0.3438,
0.1967


 137.3768, 0.3306,
0.2593

 7.5153, 0.3470,
0.1778

171.8792, 0.3296,
0.2638

 3.7864, 0.3507,
0.1531

211.7228, 0.3287,
0.2677

 1.5548, 0.3541,
0.1202

257.2921, 0.3278,

 0.3268, 0.3620,

0.2712

0.0581

308.9715, 0.3271,
0.2743

0.0000, 0.3473,
0.0000

0.0000, 0.0000,
0.0000

45.0918, 0.3365,
0.2333

45.0918, 0.3365,
0.2333

38.4237, 0.3432,
0.2155

53.4834, 0.3303,
0.2532

33.3503, 0.3501,
0.2008

63.7029, 0.3246,
0.2742

29.7349, 0.3571,
0.1901

75.8537, 0.3196,
0.2955

27.4149, 0.3639,
0.1840

90.0297, 0.3152,
0.3163

■ 26.1878, 0.3704,
0.1825

99.9978, 0.3127,
0.3290

■ 25.8968, 0.3728,
0.1827

Harmonies

Analogous

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



45.0918, 0.2503, 0.2029



45.0918, 0.3365, 0.2333



45.0918, 0.4277, 0.2827

Triad

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



45.0918, 0.3365, 0.2333



45.0918, 0.4332, 0.4670



45.0918, 0.1667, 0.2768

Complementary

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



45.0918, 0.3365, 0.2333



79.2985, 0.2961, 0.4495

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.



45.0918, 0.2027, 0.3698



45.0918, 0.3365, 0.2333



45.0918, 0.3555, 0.4976

Square

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



45.0918, 0.3365, 0.2333



45.0918, 0.4833, 0.4073



45.0918, 0.2711, 0.4630



45.0918, 0.1638, 0.2190

Rectangle

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



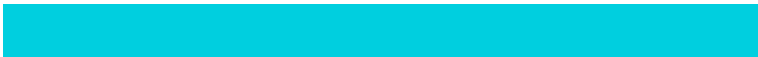
45.0918, 0.3365, 0.2333



45.0918, 0.4715, 0.3222



45.0918, 0.2711, 0.4630



45.0918, 0.1748, 0.3046

Sweetspot

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



45.0939, 0.3365, 0.2333



78.8982, 0.3185, 0.3003



32.2474, 0.2378, 0.1878



16.2690, 0.3195, 0.2957



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.



45.0939, 0.3365, 0.2333



38.5859, 0.3430, 0.2159



42.2988, 0.3957, 0.2883



18.2418, 0.3165, 0.3097



13.5532, 0.3718, 0.1822



1.3335, 0.3649, 0.1784

Inverse Universe

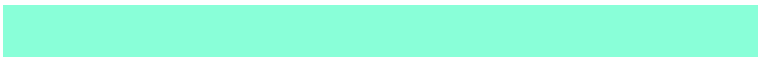
The Inverse Universe completely reimagines the original color for something new.



45.0939, 0.3365, 0.2333



38.5859, 0.3430, 0.2159



81.7719, 0.2685, 0.3757



18.2418, 0.3165, 0.3097



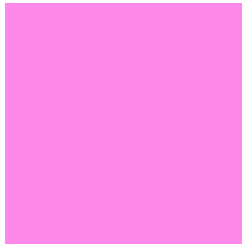
13.5532, 0.3718, 0.1822



1.3335, 0.3649, 0.1784

Previews

White Background



This preview shows how the Yxy color 45.0918, 0.3365, 0.2333 looks on a white background.

Color Contrast Check

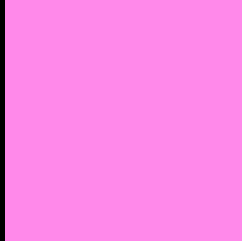
Large Text (above 18pt) WCAG AA × Fail

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 45.0918, 0.3365, 0.2333 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

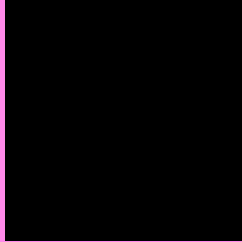
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 45.0918, 0.3365, 0.2333

Background



This preview shows how black text looks on a background with the Yxy color 45.0918, 0.3365, 0.2333.



This preview shows how white text looks on a background with the Yxy color 45.0918, 0.3365, 0.2333.

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

45.0918, 0.3365, 0.2333

Protanopia

45.5343, 0.2433, 0.2353

Deuteranopia

45.3674, 0.2718, 0.2657



Tritanopia

44.9110, 0.3963, 0.3162

Trichromacy



Original Color

45.0918, 0.3365, 0.2333



Protanomaly

43.6324, 0.2715, 0.2314



Deuteranomaly

44.1104, 0.2924, 0.2502



Tritanomaly

44.8656, 0.3746, 0.2847

Monochromacy



Original Color

45.0918, 0.3365, 0.2333



Achromatopsia

47.3531, 0.3127, 0.3290



Achromatomaly

45.0920, 0.3210, 0.2861

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.0918, 0.3365, 0.2333 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, 137, 234)` looks like.

```
.text, #text, p{  
    color:rgb(255, 137, 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, 137, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 137, 234) }
```

Border

The CSS property to change the border of an element to Yxy 45.0918, 0.3365, 0.2333 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, 137, 234) }
```

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

```
.border{ border-color:rgb(255, 137, 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, 137, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 137, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 137, 234);  
box-shadow:4px 4px 4px 4px rgb(255, 137,  
234) }
```


Background

The CSS property to change the background color of an element to Yxy 45.0918, 0.3365, 0.2333 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 137, 234) }
```

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

```
.background{ background-color: rgb(255,  
137, 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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