

Converting Colors

$Y_{xy}(45.6878, 0.3366, 0.2517)$

Have a look what the booklet for
Yxy(45.6878, 0.3366, 0.2517)
contains.

Yxy(45.6868, 0.3366, 0.2518)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(45.6868, 0.3366, 0.2518)

Conversions

Conversions Part 1

Format	Color
Hex	F494DE
RGB	244, 148, 222
RGB Percent	96%, 58%, 87%
CMY	0.0432, 0.4195, 0.1296
CMYK	0.00, 0.39, 0.09, 0.04
HSL	314°, 81%, 77%
HSV	314°, 39%, 96%
XYZ	61.0730, 45.6868, 74.6810
YIQ	185.1400, 33.4620, 43.3660

Conversions

Conversions Part 2

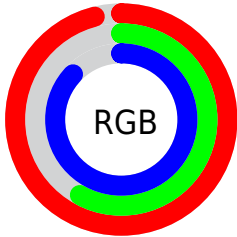
Format	Color
RYB	244, 148, 222
Decimal	16028894
CIELab	73.34, 46.37, -22.34
CIELCh	73, 51.467, 334.273
Yxy	45.6868, 0.3366, 0.2518
Android (android.graphics.Color)	4294218974 (0xFFFF494DE)
YUV	185.1400, 18.1720, 51.6202
Hunter-Lab	67.5920, 42.9982, -18.1939

Details

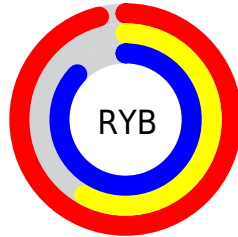
The Yxy color **45.6868, 0.3366, 0.2518** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **73.8900, 0.2956, 0.4215**, and the grayscale version is **48.4824, 0.3127, 0.3290**.

A 20% lighter version of the original color is **71.6657, 0.3151, 0.2792**, and **21.4135, 0.3412, 0.2333** is the 20% darker color. If you saturate the color by 10%, you get **38.5281, 0.3447, 0.2334**, and if you desaturate by 10%, it is **54.4726, 0.3293, 0.2715**.

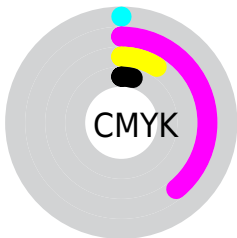
Distribution



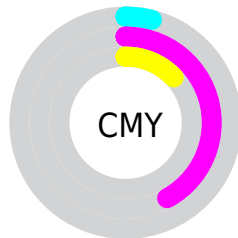
- Red (96%)
- Green (58%)
- Blue (87%)



- Red (96%)
- Yellow (58%)
- Blue (87%)



- Cyan (0%)
- Magenta (39%)
- Yellow (9%)
- Black (4%)





- Cyan (4%)
- Magenta (42%)
- Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.6868, 0.3366, 0.2518 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 45.6868, 0.3366, 0.2518 by changing the saturation by 10% instead.


 45.6868, 0.3366,
0.2518

 45.6868, 0.3366,
0.2518

369.5480, 0.3258,
0.2878

 31.9987, 0.3390,
0.2435


 83.7501, 0.3329,
0.2643

 21.3605, 0.3419,
0.2334


 108.8941, 0.3315,
0.2692

 13.3878, 0.3454,
0.2205


138.6255, 0.3302,
0.2734

 7.6961, 0.3499,
0.2037

173.3288, 0.3291,
0.2770

 3.9011, 0.3555,
0.1811

213.3883, 0.3281,
0.2802

 1.6184, 0.3627,
0.1495

259.1884, 0.3273,

 0.3700, 0.3790,

0.2831

0.0844

311.1135, 0.3265,
0.2856

0.0000, 0.3622,
0.0000

0.0000, 0.0000,
0.0000

45.6868, 0.3366,
0.2518

45.6868, 0.3366,
0.2518

38.5281, 0.3447,
0.2334

54.4726, 0.3293,
0.2715

32.8880, 0.3534,
0.2172

64.9726, 0.3228,
0.2915

28.6546, 0.3626,
0.2044

77.2752, 0.3172,
0.3113

25.6979, 0.3719,
0.1957

91.4607, 0.3124,
0.3302

■ 23.8635, 0.3811,
0.1918

■ 97.6482, 0.3088,
0.3339

■ 22.9119, 0.3898,
0.1924

■ 97.9691, 0.3060,
0.3290

■ 22.8601, 0.3904,
0.1924

Harmonies

Analogous

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



45.6868, 0.2659, 0.2250



45.6868, 0.3366, 0.2518



45.6868, 0.4077, 0.2947

Triad

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



45.6868, 0.3366, 0.2518



45.6868, 0.4108, 0.4454



45.6868, 0.1914, 0.2861

Complementary

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



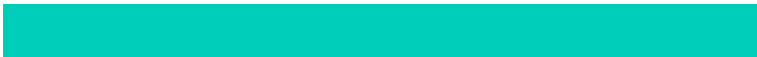
45.6868, 0.3366, 0.2518



73.8900, 0.2956, 0.4215

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.



45.6868, 0.2217, 0.3583



45.6868, 0.3366, 0.2518



45.6868, 0.3472, 0.4620

Square

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



45.6868, 0.3366, 0.2518



45.6868, 0.4507, 0.4004



45.6868, 0.2779, 0.4297



45.6868, 0.1895, 0.2385

Rectangle

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



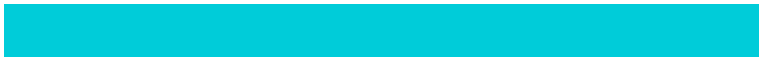
45.6868, 0.3366, 0.2518



45.6868, 0.4413, 0.3289



45.6868, 0.2779, 0.4297



45.6868, 0.1983, 0.3081

Sweetspot

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



45.6889, 0.3366, 0.2518



81.5626, 0.3187, 0.3060



36.1326, 0.2549, 0.2130



17.0672, 0.3194, 0.3034



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.



45.6889, 0.3366, 0.2518



44.2038, 0.3428, 0.2373



43.5204, 0.3830, 0.2995



16.6994, 0.3173, 0.3109



12.4545, 0.3891, 0.1917



1.1101, 0.3788, 0.1860

Inverse Universe

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



45.6889, 0.3366, 0.2518



44.2038, 0.3428, 0.2373



75.9851, 0.2714, 0.3615



16.6994, 0.3173, 0.3109



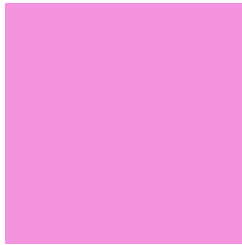
12.4545, 0.3891, 0.1917



1.1101, 0.3788, 0.1860

Previews

White Background



This preview shows how the Yxy color 45.6868, 0.3366, 0.2518 looks on a white background.

Color Contrast Check

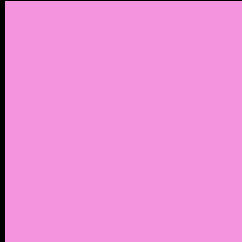
Large Text (above 18pt) WCAG AA × Fail

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 45.6868, 0.3366, 0.2518 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

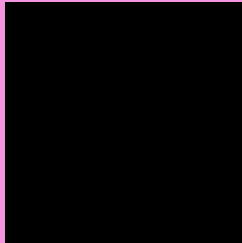
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 45.6868, 0.3366, 0.2518

Background



This preview shows how black text looks on a background with the Yxy color 45.6868, 0.3366, 0.2518.



This preview shows how white text looks on a background with the Yxy color 45.6868, 0.3366, 0.2518.

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

45.6868, 0.3366, 0.2518

Protanopia

46.0538, 0.2546, 0.2487

Deuteranopia

45.7637, 0.2847, 0.2780



Tritanopia

45.5331, 0.3796, 0.3157

Trichromacy



Original Color

45.6868, 0.3366, 0.2518



Protanomaly

44.9000, 0.2802, 0.2481



Deuteranomaly

45.0834, 0.3018, 0.2665



Tritanomaly

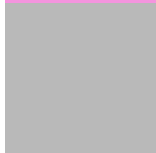
45.3106, 0.3636, 0.2907

Monochromacy



Original Color

45.6868, 0.3366, 0.2518



Achromatopsia

48.5150, 0.3127, 0.3290



Achromatomaly

46.7041, 0.3212, 0.2977

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.6868, 0.3366, 0.2518 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(244, 148, 222)` looks like.

```
.text, #text, p{  
    color:rgb(244, 148, 222)  
}
```

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(244, 148, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(244, 148, 222) }
```

Border

The CSS property to change the border of an element to Yxy 45.6868, 0.3366, 0.2518 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(244, 148, 222) }
```

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

```
.border{ border-color:rgb(244, 148, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(244, 148, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(244, 148, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(244, 148, 222);  
box-shadow:4px 4px 4px 4px rgb(244, 148,  
222) }
```


Background

The CSS property to change the background color of an element to Yxy 45.6868, 0.3366, 0.2518 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(244, 148, 222) }
```

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

```
.background{ background-color: rgb(244,  
148, 222) }
```

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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