

Converting Colors

$Y_{xy}(44.9316, 0.3776, 0.2572)$

Have a look what the booklet for
Yxy(44.9316, 0.3776, 0.2572)
contains.

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Color

Yxy(42.2188, 0.3648, 0.2540)

Conversions

Conversions Part 1

Format	Color
Hex	FF84CE
RGB	255, 132, 206
RGB Percent	100%, 52%, 81%
CMY	0.0000, 0.4824, 0.1921
CMYK	0.00, 0.48, 0.19, 0.00
HSL	324°, 100%, 76%
HSV	324°, 48%, 100%
XYZ	60.6355, 42.2188, 63.3614
YIQ	177.2130, 49.5540, 49.0900

Conversions

Conversions Part 2

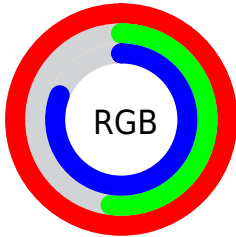
Format	Color
R_{YB}	255, 132, 206
Decimal	16745678
CIE _{Lab}	71.02, 55.33, -16.94
CIE _{LCh}	71, 57.869, 342.980
Yxy	42.2188, 0.3648, 0.2540
Android (android.graphics.Color)	4294935758 (0xFFFF84CE)
YUV	177.2130, 14.1920, 68.2192
Hunter-Lab	64.9760, 52.8679, -12.3335

Details

The Yxy color **42.2188, 0.3648, 0.2540** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **79.7606, 0.2827, 0.4206**, and the grayscale version is **43.9892, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.4464, 0.3158, 0.2634**, and **19.3105, 0.3782, 0.2349** is the 20% darker color. If you saturate the color by 10%, you get **35.6510, 0.3808, 0.2407**, and if you desaturate by 10%, it is **50.5104, 0.3506, 0.2691**.

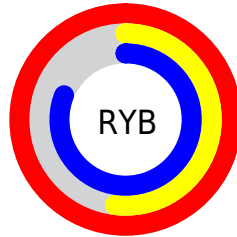
Distribution



Red (100%)

Green (52%)

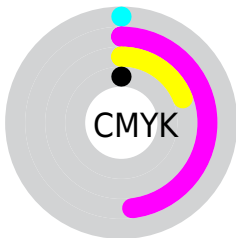
Blue (81%)



Red (100%)

Yellow (52%)

Blue (81%)

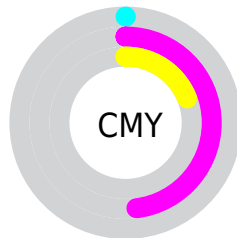


Cyan (0%)

Magenta (48%)

Yellow (19%)

Black (0%)



Cyan (0%)


Magenta (48%)


Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 42.2188, 0.3648, 0.2540 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 42.2188, 0.3648, 0.2540 by changing the saturation by 10% instead.

 42.2188, 0.3648,
0.2540

 42.2188, 0.3648,
0.2540


355.3891, 0.3396,
0.2896

 29.2727, 0.3708,
0.2457


 78.5307, 0.3558,
0.2665

 19.2872, 0.3784,
0.2353


 102.6652, 0.3524,
0.2713

 11.8780, 0.3882,
0.2221


 131.2979, 0.3495,
0.2755

 6.6606, 0.4014,
0.2047

164.8133, 0.3470,
0.2790

 3.2508, 0.4200,
0.1809

203.5957, 0.3448,
0.2822

 1.2640, 0.4479,
0.1468

248.0296, 0.3428,

 0.1131, 0.5257,

0.2849

0.0367

298.4993, 0.3411,
0.2874

■ 0.0000, 0.7994,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 42.2188, 0.3648,
0.2540

■ 42.2188, 0.3648,
0.2540

■ 35.6510, 0.3808,
0.2407

■ 50.5104, 0.3506,
0.2691

■ 30.6780, 0.3983,
0.2305

■ 60.6360, 0.3383,
0.2851

■ 27.1575, 0.4167,
0.2244

■ 72.7000, 0.3278,
0.3011

■ 24.9202, 0.4353,
0.2235

■ 86.7984, 0.3189,
0.3167

■ 23.7330, 0.4533,
0.2278

100.0000, 0.3127,
0.3290

■ 23.5754, 0.4565,
0.2289

Harmonies

Analogous

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



42.2188, 0.2803, 0.2184



42.2188, 0.3648, 0.2540



42.2188, 0.4416, 0.3052

Triad

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



42.2188, 0.3648, 0.2540



42.2188, 0.4034, 0.4717



42.2188, 0.1721, 0.2593

Complementary

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



42.2188, 0.3648, 0.2540



79.7606, 0.2827, 0.4206

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.



42.2188, 0.1956, 0.3356



42.2188, 0.3648, 0.2540



42.2188, 0.3268, 0.4799

Square

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



42.2188, 0.3648, 0.2540



42.2188, 0.4600, 0.4239



42.2188, 0.2507, 0.4257



42.2188, 0.1791, 0.2165

Rectangle

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



42.2188, 0.3648, 0.2540



42.2188, 0.4712, 0.3441



42.2188, 0.2507, 0.4257



42.2188, 0.1764, 0.2812

Sweetspot

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



42.2198, 0.3648, 0.2540



78.4178, 0.3238, 0.3078



33.3239, 0.2539, 0.1884



16.1513, 0.3258, 0.3044



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.



42.2198, 0.3648, 0.2540



35.7869, 0.3804, 0.2410



39.8486, 0.4318, 0.3145



18.1707, 0.3199, 0.3148



12.3489, 0.4537, 0.2273



1.2239, 0.4343, 0.2166

Inverse Universe

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



42.2198, 0.3648, 0.2540



35.7869, 0.3804, 0.2410



82.7555, 0.2551, 0.3455



18.1707, 0.3199, 0.3148



12.3489, 0.4537, 0.2273



1.2239, 0.4343, 0.2166

Previews

White Background



This preview shows how the Yxy color 42.2188, 0.3648, 0.2540 looks on a white background.

Color Contrast Check

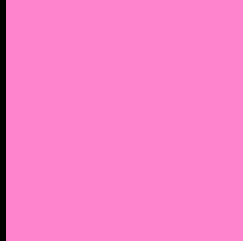
Large Text (above 18pt) WCAG AA × Fail

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 42.2188, 0.3648, 0.2540 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

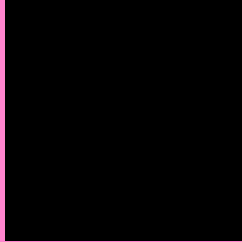
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 42.2188, 0.3648, 0.2540

Background



This preview shows how black text looks on a background with the Yxy color 42.2188, 0.3648, 0.2540.



This preview shows how white text looks on a background with the Yxy color 42.2188, 0.3648, 0.2540.

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

42.2188, 0.3648, 0.2540

Protanopia

42.6137, 0.2561, 0.2508

Deuteranopia

42.5033, 0.2963, 0.2902



Tritanopia

42.2688, 0.4146, 0.3186

Trichromacy



Original Color

42.2188, 0.3648, 0.2540



Protanomaly

40.8332, 0.2892, 0.2486



Deuteranomaly

41.3066, 0.3200, 0.2737



Tritanomaly

42.1392, 0.3970, 0.2944

Monochromacy



Original Color

42.2188, 0.3648, 0.2540



Achromatopsia

43.9657, 0.3127, 0.3290



Achromatomaly

42.0997, 0.3302, 0.2958

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.2188, 0.3648, 0.2540 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, 132, 206)` looks like.

```
.text, #text, p{  
    color:rgb(255, 132, 206)  
}
```

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, 132, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 132, 206) }
```

Border

The CSS property to change the border of an element to Yxy 42.2188, 0.3648, 0.2540 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, 132, 206) }
```

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

```
.border{ border-color:rgb(255, 132, 206) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 132, 206)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 132, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 132, 206);  
box-shadow:4px 4px 4px 4px rgb(255, 132,  
206) }
```


Background

The CSS property to change the background color of an element to Yxy 42.2188, 0.3648, 0.2540 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 132, 206) }
```

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

```
.background{ background-color: rgb(255,  
132, 206) }
```

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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