

Converting Colors

$Y_{xy}(42.8464, 0.3433, 0.2413)$

Have a look what the booklet for
Yxy(42.8464, 0.3433, 0.2413)
contains.

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Color

Yxy(42.6881, 0.3436, 0.2413)

Conversions

Conversions Part 1

Format	Color
Hex	F987DD
RGB	249, 135, 221
RGB Percent	98%, 53%, 87%
CMY	0.0235, 0.4706, 0.1334
CMYK	0.00, 0.46, 0.11, 0.02
HSL	315°, 91%, 75%
HSV	315°, 46%, 98%
XYZ	60.7859, 42.6881, 73.4349
YIQ	178.8900, 40.3380, 50.9140

Conversions

Conversions Part 2

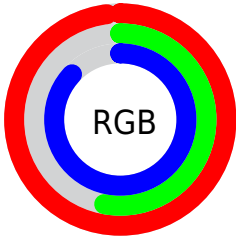
Format	Color
R_{YB}	249, 135, 221
Decimal	16353245
CIE _{Lab}	71.34, 54.31, -24.80
CIE _{LCh}	71, 59.701, 335.454
Yxy	42.6881, 0.3436, 0.2413
Android (android.graphics.Color)	4294543325 (0xFFFF987DD)
YUV	178.8900, 20.7602, 61.4865
Hunter-Lab	65.3361, 51.7303, -20.9040

Details

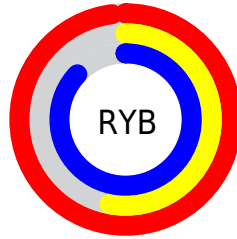
The Yxy color $42.6881, 0.3436, 0.2413$ is a light color, and the websafe version is hex `FF99FF`. A complement of this color would be $75.5595, 0.2924, 0.4377$, and the grayscale version is $44.8896, 0.3127, 0.3290$.

A 20% lighter version of the original color is $65.7416, 0.3157, 0.2663$, and $19.5852, 0.3495, 0.2204$ is the 20% darker color. If you saturate the color by 10%, you get $36.2150, 0.3528, 0.2245$, and if you desaturate by 10%, it is $50.8018, 0.3352, 0.2600$.

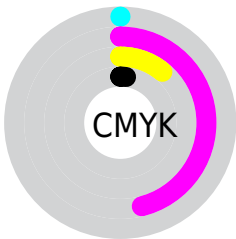
Distribution



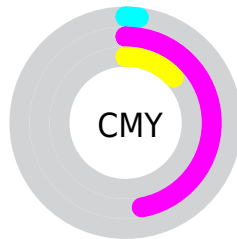
- Red (98%)
- Green (53%)
- Blue (87%)



- Red (98%)
- Yellow (53%)
- Blue (87%)



- Cyan (0%)
- Magenta (46%)
- Yellow (11%)
- Black (2%)



- Cyan (2%)
- Magenta (47%)
- Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 42.6881, 0.3436, 0.2413 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 42.6881, 0.3436, 0.2413 by changing the saturation by 10% instead.


 42.6881, 0.3436,
0.2413


 42.6881, 0.3436,
0.2413


357.3275, 0.3295,
0.2822


 29.6405, 0.3467,
0.2320


 79.2400, 0.3388,
0.2555

 19.5659, 0.3505,
0.2205


 103.5130, 0.3369,
0.2610

 12.0799, 0.3552,
0.2059


 132.2967, 0.3353,
0.2658

 6.7981, 0.3611,
0.1872

165.9753, 0.3338,
0.2699

 3.3361, 0.3686,
0.1621

204.9333, 0.3326,
0.2736

 1.3096, 0.3783,
0.1277

249.5550, 0.3314,

 0.1487, 0.4075,

0.2768

0.0371

300.2250, 0.3304,
0.2796

0.0000, 0.3753,
0.0000

0.0000, 0.0000,
0.0000

42.6881, 0.3436,
0.2413

42.6881, 0.3436,
0.2413

36.2150, 0.3528,
0.2245

50.8018, 0.3352,
0.2600

31.2616, 0.3626,
0.2106

60.6541, 0.3278,
0.2795

27.6995, 0.3726,
0.2007

72.3424, 0.3212,
0.2991

25.3769, 0.3827,
0.1954

85.9551, 0.3156,
0.3183

■ 24.1056, 0.3924,
0.1949

■ 98.6662, 0.3110,
0.3323

■ 23.7658, 0.3964,
0.1957

■ 98.8834, 0.3090,
0.3290

Harmonies

Analogous

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



42.6881, 0.2601, 0.2101



42.6881, 0.3436, 0.2413



42.6881, 0.4282, 0.2902

Triad

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



42.6881, 0.3436, 0.2413



42.6881, 0.4225, 0.4652



42.6881, 0.1718, 0.2737

Complementary

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



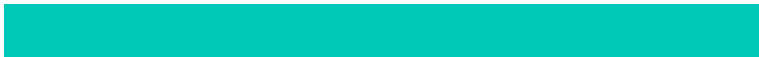
42.6881, 0.3436, 0.2413



75.5595, 0.2924, 0.4377

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.



42.6881, 0.2039, 0.3592



42.6881, 0.3436, 0.2413



42.6881, 0.3472, 0.4879

Square

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



42.6881, 0.3436, 0.2413



42.6881, 0.4726, 0.4106



42.6881, 0.2671, 0.4484



42.6881, 0.1715, 0.2214

Rectangle

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



42.6881, 0.3436, 0.2413



42.6881, 0.4668, 0.3288



42.6881, 0.2671, 0.4484



42.6881, 0.1788, 0.2991

Sweetspot

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



42.6901, 0.3436, 0.2413



78.7473, 0.3202, 0.3026



31.8073, 0.2444, 0.1916



16.2320, 0.3215, 0.2984



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.



42.6901, 0.3436, 0.2413



38.6596, 0.3521, 0.2256



40.2015, 0.4029, 0.2968



17.4473, 0.3176, 0.3113



12.7429, 0.3949, 0.1949



1.1969, 0.3841, 0.1890

Inverse Universe

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



42.6901, 0.3436, 0.2413



38.6596, 0.3521, 0.2256



78.0084, 0.2652, 0.3655



17.4473, 0.3176, 0.3113



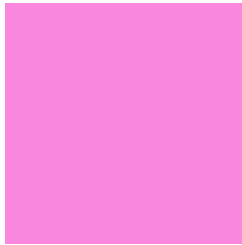
12.7429, 0.3949, 0.1949



1.1969, 0.3841, 0.1890

Previews

White Background



This preview shows how the Yxy color 42.6881, 0.3436, 0.2413 looks on a white background.

Color Contrast Check

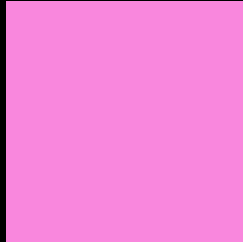
Large Text (above 18pt) WCAG AA × Fail

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 42.6881, 0.3436, 0.2413 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

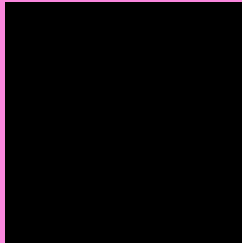
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 42.6881, 0.3436, 0.2413

Background



This preview shows how black text looks on a background with the Yxy color 42.6881, 0.3436, 0.2413.

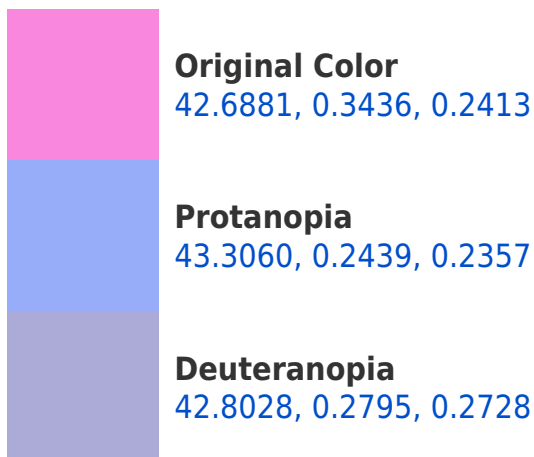


This preview shows how white text looks on a background with the Yxy color 42.6881, 0.3436, 0.2413.

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

42.5603, 0.3983, 0.3171

Trichromacy



Original Color

42.6881, 0.3436, 0.2413



Protanomaly

41.5931, 0.2735, 0.2347



Deuteranomaly

41.7428, 0.3008, 0.2585



Tritanomaly

42.4348, 0.3782, 0.2870

Monochromacy



Original Color

42.6881, 0.3436, 0.2413



Achromatopsia

45.0786, 0.3127, 0.3290



Achromatomaly

42.9268, 0.3237, 0.2911

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.6881, 0.3436, 0.2413 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(249, 135, 221)` looks like.

```
.text, #text, p{  
    color:rgb(249, 135, 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(249, 135, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(249, 135, 221) }
```

Border

The CSS property to change the border of an element to Yxy 42.6881, 0.3436, 0.2413 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(249, 135, 221) }
```

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

```
.border{ border-color:rgb(249, 135, 221) }
```

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

Here you see how a box with a 4 pixel `rgb(249, 135, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(249, 135, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(249, 135, 221);  
box-shadow:4px 4px 4px 4px rgb(249, 135,  
221) }
```


Background

The CSS property to change the background color of an element to Yxy 42.6881, 0.3436, 0.2413 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(249, 135, 221) }
```

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

```
.background{ background-color: rgb(249,  
135, 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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