

Converting Colors

$Y_{xy}(58.1301, 0.4360, 0.2819)$

Have a look what the booklet for
Yxy(58.1301, 0.4360, 0.2819)
contains.

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Color

Yxy(42.5281, 0.3759, 0.2675)

Conversions

Conversions Part 1

Format	Color
Hex	FF87C3
RGB	255, 135, 195
RGB Percent	100%, 53%, 76%
CMY	0.0000, 0.4706, 0.2353
CMYK	0.00, 0.47, 0.24, 0.00
HSL	330°, 100%, 76%
HSV	330°, 47%, 100%
XYZ	59.7619, 42.5281, 56.6935
YIQ	177.7200, 52.2600, 44.1000

Conversions

Conversions Part 2

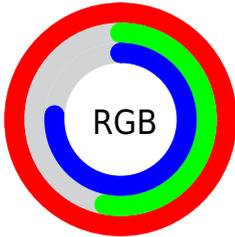
Format	Color
R_{YB}	255, 135, 195
Decimal	16746435
CIE _{Lab}	71.23, 52.34, -10.50
CIE _{LCh}	71, 53.386, 348.660
Yxy	42.5281, 0.3759, 0.2675
Android (android.graphics.Color)	4294936515 (0xFFFF87C3)
YUV	177.7200, 8.5190, 67.7746
Hunter-Lab	65.2136, 49.4542, -5.8944

Details

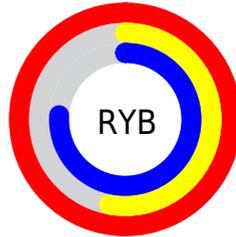
The Yxy color $42.5281, 0.3759, 0.2675$ is a light color, and the websafe version is hex FF99CC . A complement of this color would be $80.6092, 0.2774, 0.4021$, and the grayscale version is $44.2947, 0.3127, 0.3290$.

A 20% lighter version of the original color is $65.5499, 0.3178, 0.2690$, and $19.5437, 0.3941, 0.2524$ is the 20% darker color. If you saturate the color by 10%, you get $35.6901, 0.3965, 0.2562$, and if you desaturate by 10%, it is $51.1134, 0.3579, 0.2804$.

Distribution



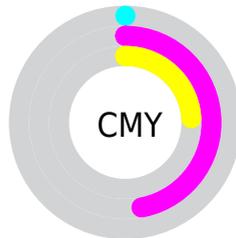
- Red (100%)
- Green (53%)
- Blue (76%)



- Red (100%)
- Yellow (53%)
- Blue (76%)



- Cyan (0%)
- Magenta (47%)
- Yellow (24%)
- Black (0%)



- Cyan (0%)
- Magenta (47%)
- Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 42.5281, 0.3759, 0.2675 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 42.5281, 0.3759, 0.2675 by changing the saturation by 10% instead.

 42.5281, 0.3759,
0.2675

 42.5281, 0.3759,
0.2675

356.6675, 0.3446,
0.2972

 29.5150, 0.3836,
0.2604

 78.9983, 0.3646,
0.2781

 19.4708, 0.3934,
0.2515

 103.2241, 0.3604,
0.2821

 12.0109, 0.4062,
0.2400

 131.9564, 0.3568,
0.2855

 6.7511, 0.4239,
0.2245

165.5795, 0.3537,
0.2885

 3.3070, 0.4495,
0.2028

204.4777, 0.3510,
0.2911

 1.2940, 0.4897,
0.1704

249.0355, 0.3486,

 0.1366, 0.6024,

0.2934

0.0533

299.6373, 0.3465,
0.2954

■ 0.0000, 1.0000,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 42.5281, 0.3759,
0.2675

■ 42.5281, 0.3759,
0.2675

■ 35.6901, 0.3965,
0.2562

■ 51.1134, 0.3579,
0.2804

■ 30.4828, 0.4195,
0.2477

■ 61.5670, 0.3426,
0.2939

■ 26.7620, 0.4441,
0.2433

■ 73.9892, 0.3298,
0.3073

■ 24.3614, 0.4691,
0.2441

■ 88.4754, 0.3191,
0.3203

■ 23.0687, 0.4932,
0.2504

100.0000, 0.3127,
0.3290

■ 22.8062, 0.5001,
0.2528

Harmonies

Analogous

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



42.5281, 0.2970, 0.2306



42.5281, 0.3759, 0.2675



42.5281, 0.4411, 0.3178

Triad

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



42.5281, 0.3759, 0.2675



42.5281, 0.3854, 0.4662



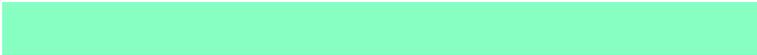
42.5281, 0.1805, 0.2551

Complementary

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



42.5281, 0.3759, 0.2675



80.6092, 0.2774, 0.4021

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.



42.5281, 0.1975, 0.3205



42.5281, 0.3759, 0.2675



42.5281, 0.3129, 0.4616

Square

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



42.5281, 0.3759, 0.2675



42.5281, 0.4423, 0.4284



42.5281, 0.2442, 0.4028



42.5281, 0.1923, 0.2203

Rectangle

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



42.5281, 0.3759, 0.2675



42.5281, 0.4627, 0.3551



42.5281, 0.2442, 0.4028



42.5281, 0.1829, 0.2737

Sweetspot

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



42.5253, 0.3759, 0.2675



78.2032, 0.3263, 0.3113



35.8815, 0.2653, 0.1955



16.0990, 0.3287, 0.3085



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.



42.5253, 0.3759, 0.2675



36.3372, 0.3942, 0.2573



40.3906, 0.4410, 0.3273



18.1386, 0.3215, 0.3172



11.9469, 0.4964, 0.2508



1.1853, 0.4710, 0.2368

Inverse Universe

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



42.5253, 0.3759, 0.2675



36.3372, 0.3942, 0.2573



83.7618, 0.2509, 0.3311



18.1386, 0.3215, 0.3172



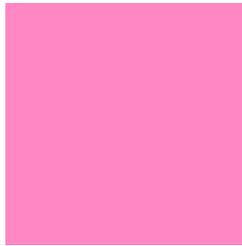
11.9469, 0.4964, 0.2508



1.1853, 0.4710, 0.2368

Previews

White Background



This preview shows how the Yxy color 42.5281, 0.3759, 0.2675 looks on a white background.

Color Contrast Check

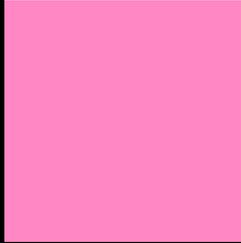
Large Text (above 18pt) WCAG AA × Fail

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 42.5281, 0.3759, 0.2675 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

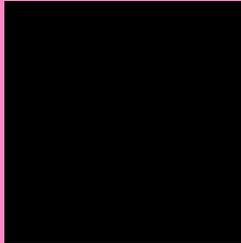
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 42.5281, 0.3759, 0.2675

Background



This preview shows how black text looks on a background with the Yxy color 42.5281, 0.3759, 0.2675.



This preview shows how white text looks on a background with the Yxy color 42.5281, 0.3759, 0.2675.

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

42.5281, 0.3759, 0.2675

Protanopia

42.8410, 0.2693, 0.2686

Deuteranopia

42.7379, 0.3103, 0.3044



Tritanopia

42.4872, 0.4144, 0.3176

Trichromacy



Original Color

42.5281, 0.3759, 0.2675



Protanomaly

41.2352, 0.3022, 0.2656



Deuteranomaly

41.5772, 0.3327, 0.2879



Tritanomaly

42.3162, 0.4000, 0.2986

Monochromacy



Original Color

42.5281, 0.3759, 0.2675



Achromatopsia

44.5201, 0.3127, 0.3290



Achromatomaly

42.4232, 0.3347, 0.3019

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.5281, 0.3759, 0.2675 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, 135, 195)` looks like.

```
.text, #text, p{  
    color:rgb(255, 135, 195)  
}
```

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, 135, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 135, 195) }
```

Border

The CSS property to change the border of an element to Yxy 42.5281, 0.3759, 0.2675 is called "border". The border property can be set on classes, ids or directly on the HTML element.

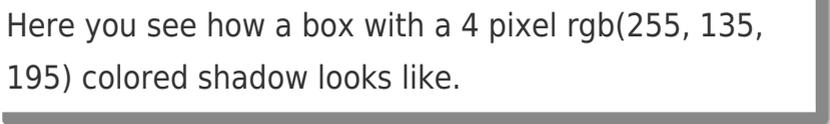
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(255, 135, 195) }
```

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

```
.border{ border-color:rgb(255, 135, 195) }
```

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



Here you see how a box with a 4 pixel `rgb(255, 135, 195)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 135, 195); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 135, 195); box-shadow:4px 4px 4px 4px rgb(255, 135, 195) }
```


Background

The CSS property to change the background color of an element to Yxy 42.5281, 0.3759, 0.2675 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 135, 195) }
```

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

```
.background{ background-color: rgb(255,  
135, 195) }
```

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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