

Converting Colors

$Y_{xy}(47.6539, 0.4005, 0.2726)$

Have a look what the booklet for
Yxy(47.6539, 0.4005, 0.2726)
contains.

Yxy(42.2503, 0.3761, 0.2665)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(42.2503, 0.3761, 0.2665)

Conversions

Conversions Part 1

Format	Color
Hex	FF86C3
RGB	255, 134, 195
RGB Percent	100%, 53%, 76%
CMY	0.0000, 0.4746, 0.2352
CMYK	0.00, 0.47, 0.24, 0.00
HSL	330°, 100%, 76%
HSV	330°, 47%, 100%
XYZ	59.6260, 42.2503, 56.6614
YIQ	177.1330, 52.5350, 44.6230

Conversions

Conversions Part 2

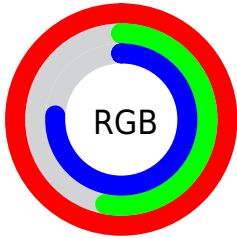
Format	Color
R_{YB}	255, 134, 195
Decimal	16746179
CIE _{Lab}	71.04, 52.84, -10.79
CIE _{LCh}	71, 53.930, 348.454
Yxy	42.2503, 0.3761, 0.2665
Android (android.graphics.Color)	4294936259 (0xFFFF86C3)
YUV	177.1330, 8.8084, 68.2894
Hunter-Lab	65.0002, 49.9913, -6.1835

Details

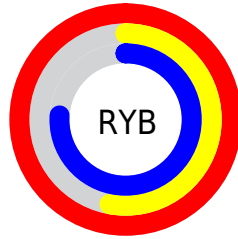
The Yxy color **42.2503, 0.3761, 0.2665** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **80.4796, 0.2774, 0.4036**, and the grayscale version is **43.9675, 0.3127, 0.3290**.

A 20% lighter version of the original color is **65.1152, 0.3179, 0.2680**, and **19.3962, 0.3944, 0.2513** is the 20% darker color. If you saturate the color by 10%, you get **35.4810, 0.3966, 0.2552**, and if you desaturate by 10%, it is **50.7602, 0.3582, 0.2794**.

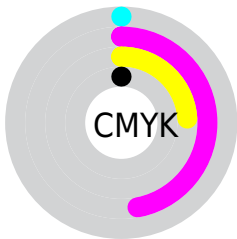
Distribution



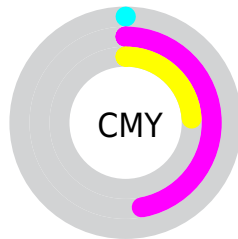
- Red (100%)
- Green (53%)
- Blue (76%)



- 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 42.2503, 0.3761, 0.2665 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 42.2503, 0.3761, 0.2665 by changing the saturation by 10% instead.


 42.2503, 0.3761,
0.2665


 42.2503, 0.3761,
0.2665


355.5195, 0.3447,
0.2967

 29.2973, 0.3838,
0.2593


 78.5783, 0.3648,
0.2772

 19.3059, 0.3936,
0.2502


 102.7221, 0.3605,
0.2813

 11.8915, 0.4065,
0.2385


 131.3650, 0.3569,
0.2848

 6.6698, 0.4242,
0.2228

164.8914, 0.3538,
0.2879

 3.2565, 0.4499,
0.2008

203.6856, 0.3511,
0.2905

 1.2671, 0.4902,
0.1680

248.1321, 0.3487,

 0.1155, 0.6060,

0.2928

0.0457

298.6153, 0.3466,
0.2949

0.0000, 1.0000,
0.0000

0.0000, 0.0000,
0.0000

42.2503, 0.3761,
0.2665

42.2503, 0.3761,
0.2665

35.4810, 0.3966,
0.2552

50.7602, 0.3582,
0.2794

30.3371, 0.4194,
0.2467

61.1340, 0.3429,
0.2930

26.6728, 0.4437,
0.2424

73.4715, 0.3301,
0.3066

24.3207, 0.4685,
0.2433

87.8685, 0.3194,
0.3197

■ 23.0627, 0.4923,
0.2497

100.0000, 0.3127,
0.3290

■ 22.8355, 0.4982,
0.2518

Harmonies

Analogous

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



42.2503, 0.2963, 0.2294



42.2503, 0.3761, 0.2665



42.2503, 0.4424, 0.3172

Triad

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



42.2503, 0.3761, 0.2665



42.2503, 0.3865, 0.4677



42.2503, 0.1791, 0.2545

Complementary

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



42.2503, 0.3761, 0.2665



80.4796, 0.2774, 0.4036

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.



42.2503, 0.1965, 0.3209



42.2503, 0.3761, 0.2665



42.2503, 0.3132, 0.4637

Square

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



42.2503, 0.3761, 0.2665



42.2503, 0.4440, 0.4290



42.2503, 0.2437, 0.4043



42.2503, 0.1909, 0.2192

Rectangle

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



42.2503, 0.3761, 0.2665



42.2503, 0.4644, 0.3548



42.2503, 0.2437, 0.4043



42.2503, 0.1816, 0.2733

Sweetspot

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



42.2469, 0.3761, 0.2665



78.2123, 0.3262, 0.3112



35.5338, 0.2648, 0.1943



16.1013, 0.3286, 0.3083



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.



42.2469, 0.3761, 0.2665



35.7544, 0.3956, 0.2557



40.0828, 0.4426, 0.3273



18.1400, 0.3215, 0.3171



11.9622, 0.4945, 0.2498



1.1868, 0.4694, 0.2359

Inverse Universe

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



42.2469, 0.3761, 0.2665



35.7544, 0.3956, 0.2557



83.6776, 0.2505, 0.3311



18.1400, 0.3215, 0.3171



11.9622, 0.4945, 0.2498



1.1868, 0.4694, 0.2359

Previews

White Background



This preview shows how the Yxy color 42.2503, 0.3761, 0.2665 looks on a white background.

Color Contrast Check

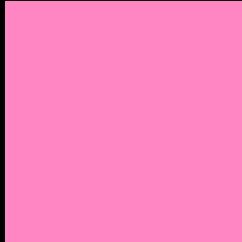
Large Text (above 18pt) WCAG AA × Fail

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 42.2503, 0.3761, 0.2665 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

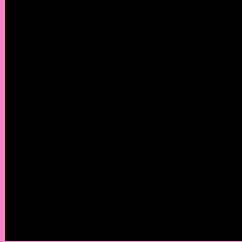
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 42.2503, 0.3761, 0.2665

Background



This preview shows how black text looks on a background with the Yxy color 42.2503, 0.3761, 0.2665.



This preview shows how white text looks on a background with the Yxy color 42.2503, 0.3761, 0.2665.

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

42.2503, 0.3761, 0.2665

Protanopia

42.4069, 0.2678, 0.2660

Deuteranopia

42.2404, 0.3095, 0.3030



Tritanopia

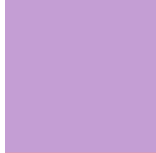
42.1551, 0.4159, 0.3176

Trichromacy



Original Color

42.2503, 0.3761, 0.2665



Protanomaly

40.9429, 0.3014, 0.2632



Deuteranomaly

41.2402, 0.3328, 0.2867



Tritanomaly

41.9878, 0.4014, 0.2986

Monochromacy



Original Color

42.2503, 0.3761, 0.2665



Achromatopsia

43.9657, 0.3127, 0.3290



Achromatomaly

41.9296, 0.3339, 0.3006

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.2503, 0.3761, 0.2665 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, 134, 195)` looks like.

```
.text, #text, p{  
    color:rgb(255, 134, 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, 134, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 134, 195) }
```

Border

The CSS property to change the border of an element to Yxy 42.2503, 0.3761, 0.2665 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, 134, 195) }
```

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

```
.border{ border-color:rgb(255, 134, 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, 134, 195)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 134, 195); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 134, 195);  
box-shadow:4px 4px 4px 4px rgb(255, 134,  
195) }
```


Background

The CSS property to change the background color of an element to Yxy 42.2503, 0.3761, 0.2665 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 134, 195) }
```

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

```
.background{ background-color: rgb(255,  
134, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor