

Converting Colors

$Y_{xy}(60.7835, 0.3839, 0.2535)$

Have a look what the booklet for
Yxy(60.7835, 0.3839, 0.2535)
contains.

Yxy(47.6252, 0.3331, 0.2380)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(47.6252, 0.3331, 0.2380)

Conversions

Conversions Part 1

Format	Color
Hex	FF91ED
RGB	255, 145, 237
RGB Percent	100%, 57%, 93%
CMY	0.0000, 0.4314, 0.0705
CMYK	0.00, 0.43, 0.07, 0.00
HSL	310°, 100%, 78%
HSV	310°, 43%, 100%
XYZ	66.6553, 47.6252, 85.8254
YIQ	188.3780, 36.0280, 51.9320

Conversions

Conversions Part 2

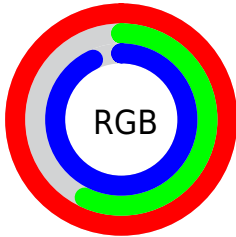
Format	Color
R_{YB}	255, 145, 237
Decimal	16749037
CIE _{Lab}	74.59, 53.76, -28.56
CIE _{LCh}	75, 60.876, 332.018
Yxy	47.6252, 0.3331, 0.2380
Android (android.graphics.Color)	4294939117 (0xFFFF91ED)
YUV	188.3780, 23.9706, 58.4275
Hunter-Lab	69.0110, 51.6375, -25.4282

Details

The Yxy color **47.6252, 0.3331, 0.2380** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **80.1829, 0.2978, 0.4418**, and the grayscale version is **50.3625, 0.3127, 0.3290**.

A 20% lighter version of the original color is **70.2533, 0.3152, 0.2762**, and **22.5541, 0.3362, 0.2176** is the 20% darker color. If you saturate the color by 10%, you get **40.4486, 0.3392, 0.2192**, and if you desaturate by 10%, it is **56.5600, 0.3275, 0.2586**.

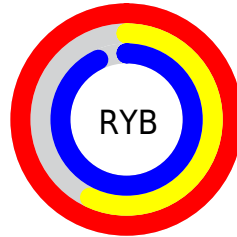
Distribution



Red (100%)

Green (57%)

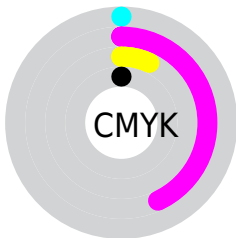
Blue (93%)



Red (100%)

Yellow (57%)

Blue (93%)

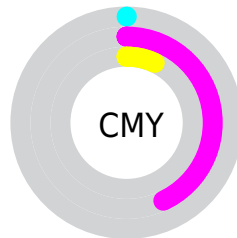


Cyan (0%)

Magenta (43%)

Yellow (7%)

Black (0%)



Cyan (0%)


Magenta (43%)


Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 47.6252, 0.3331, 0.2380 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 47.6252, 0.3331, 0.2380 by changing the saturation by 10% instead.


 47.6252, 0.3331,
0.2380


 47.6252, 0.3331,
0.2380


377.3046, 0.3246,
0.2795

 33.5302, 0.3348,
0.2288


 86.6461, 0.3303,
0.2522

 22.5329, 0.3368,
0.2175


 112.3408, 0.3292,
0.2578

 14.2490, 0.3391,
0.2035


142.6708, 0.3282,
0.2626

 8.2940, 0.3417,
0.1856

178.0205, 0.3273,
0.2669

 4.2837, 0.3445,
0.1622

218.7743, 0.3265,
0.2706

 1.8335, 0.3470,
0.1309

265.3167, 0.3258,

 0.5079, 0.3500,

0.2739

0.0808

318.0320, 0.3251,
0.2768

■ 0.0000, 0.3472,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 47.6252, 0.3331,
0.2380

■ 47.6252, 0.3331,
0.2380

■ 40.4486, 0.3392,
0.2192

■ 56.5600, 0.3275,
0.2586

■ 34.9060, 0.3455,
0.2032

■ 67.3546, 0.3224,
0.2801

■ 30.8661, 0.3519,
0.1910

■ 80.1098, 0.3178,
0.3016

■ 28.1749, 0.3582,
0.1832

■ 94.9176, 0.3138,
0.3226

■ 26.6453, 0.3642,
0.1801

100.0000, 0.3127,
0.3290

■ 26.0819, 0.3681,
0.1801

Harmonies

Analogous

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



47.6252, 0.2528, 0.2096



47.6252, 0.3331, 0.2380



47.6252, 0.4178, 0.2847

Triad

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



47.6252, 0.3331, 0.2380



47.6252, 0.4283, 0.4582



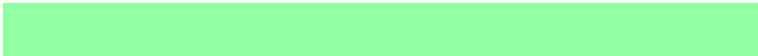
47.6252, 0.1758, 0.2830

Complementary

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



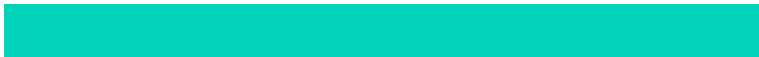
47.6252, 0.3331, 0.2380



80.1829, 0.2978, 0.4418

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.



47.6252, 0.2113, 0.3695



47.6252, 0.3331, 0.2380



47.6252, 0.3561, 0.4853

Square

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



47.6252, 0.3331, 0.2380



47.6252, 0.4733, 0.4029



47.6252, 0.2766, 0.4538



47.6252, 0.1719, 0.2272

Rectangle

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



47.6252, 0.3331, 0.2380



47.6252, 0.4593, 0.3223



47.6252, 0.2766, 0.4538



47.6252, 0.1840, 0.3092

Sweetspot

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



47.6272, 0.3331, 0.2380



80.2991, 0.3178, 0.3019



35.0999, 0.2425, 0.1981



16.5463, 0.3187, 0.2972



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.



47.6272, 0.3331, 0.2380



41.1803, 0.3384, 0.2212



44.9505, 0.3856, 0.2891



18.2464, 0.3163, 0.3093



13.6473, 0.3672, 0.1796



1.3418, 0.3610, 0.1762

Inverse Universe

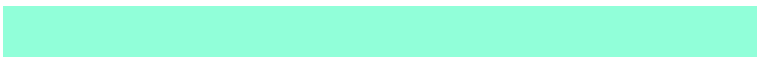
The Inverse Universe completely reimagines the original color for something new.



47.6272, 0.3331, 0.2380



41.1803, 0.3384, 0.2212



82.5235, 0.2716, 0.3743



18.2464, 0.3163, 0.3093



13.6473, 0.3672, 0.1796



1.3418, 0.3610, 0.1762

Previews

White Background



This preview shows how the Yxy color 47.6252, 0.3331, 0.2380 looks on a white background.

Color Contrast Check

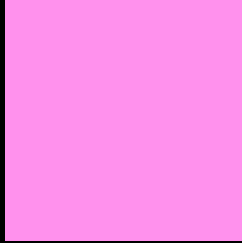
Large Text (above 18pt) WCAG AA × Fail

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 47.6252, 0.3331, 0.2380 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

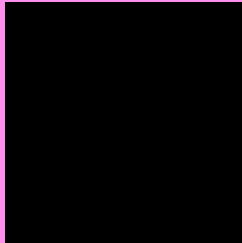
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 47.6252, 0.3331, 0.2380

Background



This preview shows how black text looks on a background with the Yxy color 47.6252, 0.3331, 0.2380.



This preview shows how white text looks on a background with the Yxy color 47.6252, 0.3331, 0.2380.

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

47.6252, 0.3331, 0.2380

Protanopia

48.2530, 0.2486, 0.2424

Deuteranopia

47.8770, 0.2740, 0.2671



Tritanopia

47.5107, 0.3867, 0.3162

Trichromacy



Original Color

47.6252, 0.3331, 0.2380



Protanomaly

46.7553, 0.2745, 0.2393



Deuteranomaly

46.6424, 0.2936, 0.2537



Tritanomaly

47.3753, 0.3669, 0.2858

Monochromacy



Original Color

47.6252, 0.3331, 0.2380



Achromatopsia

50.2886, 0.3127, 0.3290



Achromatomaly

47.9583, 0.3198, 0.2892

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.6252, 0.3331, 0.2380 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, 145, 237)` looks like.

```
.text, #text, p{  
    color:rgb(255, 145, 237)  
}
```

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, 145, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 145, 237) }
```

Border

The CSS property to change the border of an element to Yxy 47.6252, 0.3331, 0.2380 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, 145, 237) }
```

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

```
.border{ border-color:rgb(255, 145, 237) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 145, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 145, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 145, 237);  
box-shadow:4px 4px 4px 4px rgb(255, 145,  
237) }
```


Background

The CSS property to change the background color of an element to Yxy 47.6252, 0.3331, 0.2380 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 145, 237) }
```

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

```
.background{ background-color: rgb(255,  
145, 237) }
```

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