

Converting Colors

$Y_{xy}(47.8076, 0.3757, 0.2895)$

Have a look what the booklet for
Yxy(47.8076, 0.3757, 0.2895)
contains.

Yxy(47.8041, 0.3758, 0.2896)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(47.8041, 0.3758, 0.2896)

Conversions

Conversions Part 1

Format	Color
Hex	FF99BF
RGB	255, 153, 191
RGB Percent	100%, 60%, 75%
CMY	0.0000, 0.4000, 0.2511
CMYK	0.00, 0.40, 0.25, 0.00
HSL	338°, 100%, 80%
HSV	338°, 40%, 100%
XYZ	62.0331, 47.8041, 55.2322
YIQ	187.8300, 48.5940, 33.4420

Conversions

Conversions Part 2

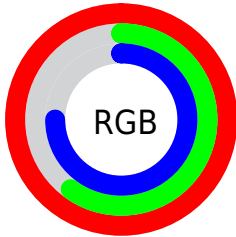
Format	Color
R_{YB}	255, 153, 191
Decimal	16751039
CIE Lab	74.70, 42.76, -3.12
CIE LCh	75, 42.869, 355.822
Yxy	47.8041, 0.3758, 0.2896
Android (android.graphics.Color)	4294941119 (0xFFFF99BF)
YUV	187.8300, 1.5628, 58.9081
Hunter-Lab	69.1405, 39.1549, 1.0351

Details

The Yxy color $47.8041, 0.3758, 0.2896$ is a light color, and the websafe version is hex `FF99CC`. A complement of this color would be $83.3049, 0.2752, 0.3732$, and the grayscale version is $50.1591, 0.3127, 0.3290$.

A 20% lighter version of the original color is $73.5763, 0.3203, 0.2916$, and $22.6851, 0.3923, 0.2789$ is the 20% darker color. If you saturate the color by 10%, you get $39.6646, 0.4002, 0.2803$, and if you desaturate by 10%, it is $57.8082, 0.3552, 0.2997$.

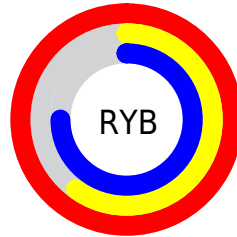
Distribution



Red (100%)

Green (60%)

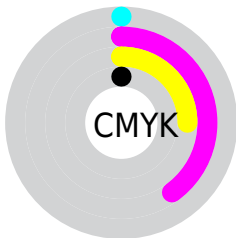
Blue (75%)



Red (100%)

Yellow (60%)

Blue (75%)

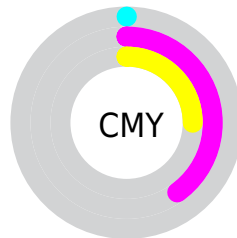


Cyan (0%)

Magenta (40%)

Yellow (25%)

Black (0%)



Cyan (0%)


Magenta (40%)

Yellow (25%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 47.8041, 0.3758, 0.2896 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 47.8041, 0.3758, 0.2896 by changing the saturation by 10% instead.


 47.8041, 0.3758,
0.2896

 47.8041, 0.3758,
0.2896


378.0151, 0.3446,
0.3089

 33.6718, 0.3835,
0.2849


 86.9127, 0.3646,
0.2965

 22.6416, 0.3932,
0.2790


 112.6577, 0.3603,
0.2991

 14.3291, 0.4061,
0.2713


143.0424, 0.3567,
0.3013

 8.3499, 0.4237,
0.2608

178.4512, 0.3536,
0.3033

 4.3196, 0.4493,
0.2457

219.2685, 0.3509,
0.3049

 1.8539, 0.4898,
0.2225

265.8786, 0.3486,

 0.5205, 0.5725,

0.3064

0.1704

318.6660, 0.3465,
0.3077

■ 0.0000, 1.0000,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 47.8041, 0.3758,
0.2896

■ 47.8041, 0.3758,
0.2896

■ 39.6646, 0.4002,
0.2803

■ 57.8082, 0.3552,
0.2997

■ 33.2664, 0.4284,
0.2728

■ 69.7776, 0.3382,
0.3099

■ 28.4811, 0.4597,
0.2682

■ 83.8131, 0.3242,
0.3197

■ 25.1593, 0.4926,
0.2680

100.0000, 0.3127,
0.3290

■ 23.1235, 0.5248,
0.2729

■ 22.0851, 0.5539,
0.2825

■ 22.0848, 0.5539,
0.2825

Harmonies

Analogous

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



47.8041, 0.3157, 0.2560



47.8041, 0.3758, 0.2896



47.8041, 0.4196, 0.3329

Triad

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



47.8041, 0.3758, 0.2896



47.8041, 0.3590, 0.4374



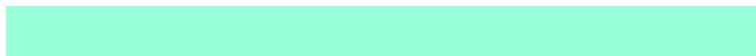
47.8041, 0.2069, 0.2635

Complementary

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



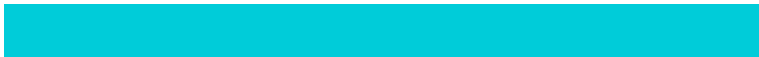
47.8041, 0.3758, 0.2896



83.3049, 0.2752, 0.3732

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.



47.8041, 0.2159, 0.3103



47.8041, 0.3758, 0.2896



47.8041, 0.3010, 0.4213

Square

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



47.8041, 0.3758, 0.2896



47.8041, 0.4071, 0.4182



47.8041, 0.2490, 0.3709



47.8041, 0.2222, 0.2395

Rectangle

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



47.8041, 0.3758, 0.2896



47.8041, 0.4311, 0.3636



47.8041, 0.2490, 0.3709



47.8041, 0.2072, 0.2767

Sweetspot

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



47.8062, 0.3758, 0.2896



80.8305, 0.3268, 0.3178



44.5900, 0.2851, 0.2202



16.8948, 0.3285, 0.3165



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.



47.8062, 0.3758, 0.2896



41.1466, 0.3950, 0.2821



50.4376, 0.4095, 0.3418



18.0989, 0.3235, 0.3202



11.5662, 0.5496, 0.2801



1.1465, 0.5186, 0.2631

Inverse Universe

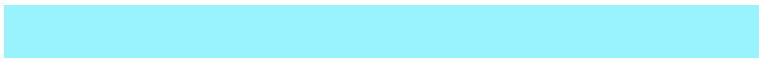
The Inverse Universe completely reimagines the original color for something new.



47.8062, 0.3758, 0.2896



41.1466, 0.3950, 0.2821



78.1550, 0.2553, 0.3154



18.0989, 0.3235, 0.3202



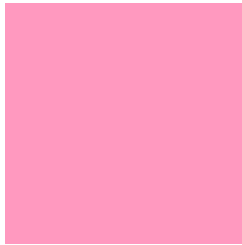
11.5662, 0.5496, 0.2801



1.1465, 0.5186, 0.2631

Previews

White Background



This preview shows how the Yxy color 47.8041, 0.3758, 0.2896 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 47.8041, 0.3758, 0.2896 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

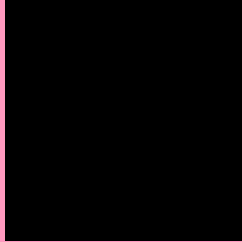
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 47.8041, 0.3758, 0.2896

Background



This preview shows how black text looks on a background with the Yxy color 47.8041, 0.3758, 0.2896.

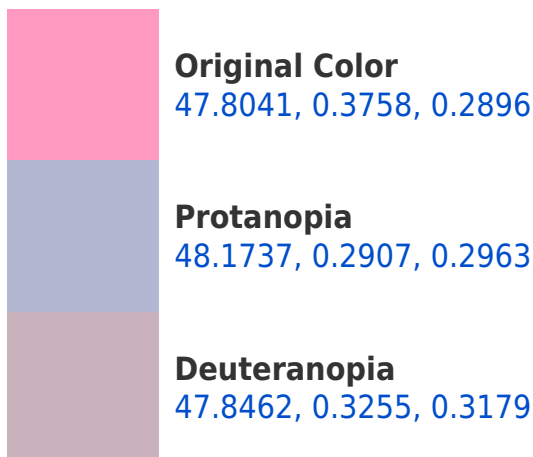


This preview shows how white text looks on a background with the Yxy color 47.8041, 0.3758, 0.2896.

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

47.8612, 0.3950, 0.3165

Trichromacy



Original Color

47.8041, 0.3758, 0.2896



Protanomaly

47.0347, 0.3188, 0.2932



Deuteranomaly

47.3789, 0.3438, 0.3069



Tritanomaly

48.0221, 0.3881, 0.3071

Monochromacy



Original Color

47.8041, 0.3758, 0.2896



Achromatopsia

50.2886, 0.3127, 0.3290



Achromatomaly

48.3311, 0.3339, 0.3123

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.8041, 0.3758, 0.2896 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, 153, 191)` looks like.

```
.text, #text, p{  
    color:rgb(255, 153, 191)  
}
```

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, 153, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 153, 191) }
```

Border

The CSS property to change the border of an element to Yxy 47.8041, 0.3758, 0.2896 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, 153, 191) }
```

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

```
.border{ border-color:rgb(255, 153, 191) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 153, 191)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 153, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 153, 191);  
box-shadow:4px 4px 4px 4px rgb(255, 153,  
191) }
```


Background

The CSS property to change the background color of an element to Yxy 47.8041, 0.3758, 0.2896 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 153, 191) }
```

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

```
.background{ background-color: rgb(255,  
153, 191) }
```

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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