

Converting Colors

$Y_{xy}(50.3835, 0.3574, 0.2771)$

Have a look what the booklet for
Yxy(50.3835, 0.3574, 0.2771)
contains.

Yxy(50.3172, 0.3572, 0.2766)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(50.3172, 0.3572, 0.2766)

Conversions

Conversions Part 1

Format	Color
Hex	FF9ED1
RGB	255, 158, 209
RGB Percent	100%, 62%, 82%
CMY	0.0000, 0.3804, 0.1803
CMYK	0.00, 0.38, 0.18, 0.00
HSL	328°, 100%, 81%
HSV	328°, 38%, 100%
XYZ	64.9794, 50.3172, 66.6166
YIQ	192.8170, 41.4410, 36.4250

Conversions

Conversions Part 2

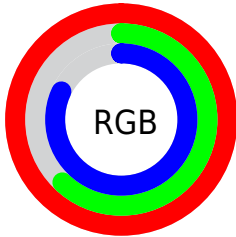
Format	Color
R _Y B	255, 158, 209
Decimal	16752337
CIE Lab	76.26, 42.78, -10.71
CIE LCh	76, 44.102, 345.943
Yxy	50.3172, 0.3572, 0.2766
Android (android.graphics.Color)	4294942417 (0xFFFF9ED1)
YUV	192.8170, 7.9782, 54.5345
Hunter-Lab	70.9346, 39.3787, -6.0266

Details

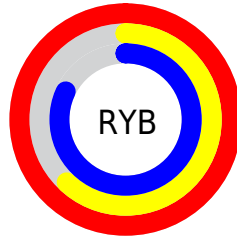
The Yxy color **50.3172, 0.3572, 0.2766** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **83.1480, 0.2841, 0.3888**, and the grayscale version is **53.1491, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.5731, 0.3146, 0.2891**, and **24.3400, 0.3685, 0.2638** is the 20% darker color. If you saturate the color by 10%, you get **41.9259, 0.3744, 0.2632**, and if you desaturate by 10%, it is **60.5592, 0.3425, 0.2907**.

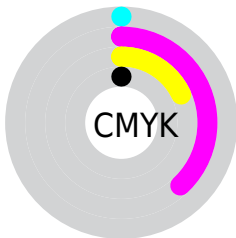
Distribution



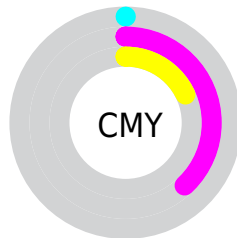
- Red (100%)
- Green (62%)
- Blue (82%)



- Red (100%)
- Yellow (62%)
- Blue (82%)



- Cyan (0%)
- Magenta (38%)
- Yellow (18%)
- Black (0%)





- Cyan (0%)
- Magenta (38%)
- Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 50.3172, 0.3572, 0.2766 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 50.3172, 0.3572, 0.2766 by changing the saturation by 10% instead.


 50.3172, 0.3572,
0.2766


 50.3172, 0.3572,
0.2766


387.9051, 0.3358,
0.3014

 35.6655, 0.3623,
0.2708

 90.6447, 0.3496,
0.2853

 24.1760, 0.3687,
0.2637


 117.0892, 0.3467,
0.2886

 15.4642, 0.3770,
0.2545


148.2336, 0.3442,
0.2915

 9.1458, 0.3881,
0.2423

184.4620, 0.3421,
0.2940

 4.8364, 0.4037,
0.2256

226.1590, 0.3402,
0.2962

 2.1516, 0.4274,
0.2011

273.7089, 0.3386,

 0.6934, 0.4685,

0.2981

0.1600

327.4961, 0.3371,
0.2998

0.0000, 0.6857,
0.0000

0.0000, 0.0000,
0.0000

50.3172, 0.3572,
0.2766

50.3172, 0.3572,
0.2766

41.9259, 0.3744,
0.2632

60.5592, 0.3425,
0.2907

35.2710, 0.3940,
0.2516

72.7547, 0.3301,
0.3049

30.2266, 0.4156,
0.2428

87.0000, 0.3197,
0.3185

26.6493, 0.4387,
0.2383

100.0000, 0.3127,
0.3290

■ 24.3701, 0.4621,
0.2390

■ 23.1597, 0.4846,
0.2452

■ 22.9842, 0.4889,
0.2467

Harmonies

Analogous

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



50.3172, 0.2958, 0.2473



50.3172, 0.3572, 0.2766



50.3172, 0.4094, 0.3178

Triad

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



50.3172, 0.3572, 0.2766



50.3172, 0.3773, 0.4356



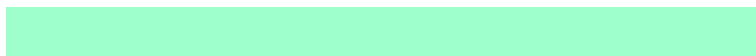
50.3172, 0.2061, 0.2759

Complementary

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



50.3172, 0.3572, 0.2766



83.1480, 0.2841, 0.3888

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.



50.3172, 0.2233, 0.3295



50.3172, 0.3572, 0.2766



50.3172, 0.3202, 0.4322

Square

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



50.3172, 0.3572, 0.2766



50.3172, 0.4193, 0.4074



50.3172, 0.2640, 0.3908



50.3172, 0.2136, 0.2439

Rectangle

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



50.3172, 0.3572, 0.2766



50.3172, 0.4287, 0.3485



50.3172, 0.2640, 0.3908



50.3172, 0.2091, 0.2917

Sweetspot

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



50.3175, 0.3572, 0.2766



82.5637, 0.3226, 0.3145



44.4074, 0.2753, 0.2224



17.2504, 0.3240, 0.3127



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.



50.3175, 0.3572, 0.2766



43.4926, 0.3707, 0.2658



48.2949, 0.4043, 0.3259



18.1467, 0.3211, 0.3166



12.0402, 0.4854, 0.2448



1.1944, 0.4615, 0.2316

Inverse Universe

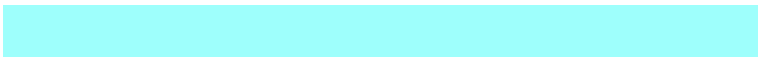
The Inverse Universe completely reimagines the original color for something new.



50.3175, 0.3572, 0.2766



43.4926, 0.3707, 0.2658



85.8025, 0.2611, 0.3324



18.1467, 0.3211, 0.3166



12.0402, 0.4854, 0.2448



1.1944, 0.4615, 0.2316

Previews

White Background



This preview shows how the Yxy color 50.3172, 0.3572, 0.2766 looks on a white background.

Color Contrast Check

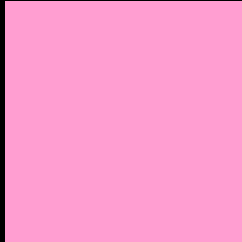
Large Text (above 18pt) WCAG AA × Fail

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 50.3172, 0.3572, 0.2766 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

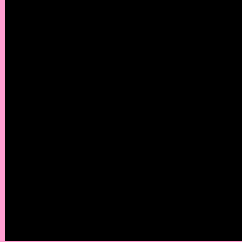
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 50.3172, 0.3572, 0.2766

Background



This preview shows how black text looks on a background with the Yxy color 50.3172, 0.3572, 0.2766.



This preview shows how white text looks on a background with the Yxy color 50.3172, 0.3572, 0.2766.

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

50.3172, 0.3572, 0.2766

Protanopia

50.8454, 0.2780, 0.2794

Deuteranopia

50.4169, 0.3090, 0.3024



Tritanopia

50.1947, 0.3839, 0.3164

Trichromacy



Original Color

50.3172, 0.3572, 0.2766



Protanomaly

49.5365, 0.3035, 0.2768



Deuteranomaly

49.7884, 0.3257, 0.2923



Tritanomaly

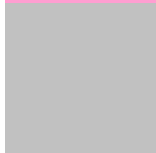
50.1669, 0.3737, 0.3017

Monochromacy



Original Color

50.3172, 0.3572, 0.2766



Achromatopsia

53.3276, 0.3127, 0.3290



Achromatomaly

51.3650, 0.3283, 0.3069

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.3172, 0.3572, 0.2766 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, 158, 209)` looks like.

```
.text, #text, p{  
    color:rgb(255, 158, 209)  
}
```

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, 158, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 158, 209) }
```

Border

The CSS property to change the border of an element to Yxy 50.3172, 0.3572, 0.2766 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, 158, 209) }
```

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

```
.border{ border-color:rgb(255, 158, 209) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 158, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 158, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 158, 209);  
box-shadow:4px 4px 4px 4px rgb(255, 158,  
209) }
```


Background

The CSS property to change the background color of an element to Yxy 50.3172, 0.3572, 0.2766 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 158, 209) }
```

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

```
.background{ background-color: rgb(255,  
158, 209) }
```

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