

Converting Colors

$Y_{xy}(81.8695, 0.4626, 0.2917)$

Have a look what the booklet for
Yxy(81.8695, 0.4626, 0.2917)
contains.

Yxy(47.6761, 0.3586, 0.2686)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(47.6761, 0.3586, 0.2686)

Conversions

Conversions Part 1

Format	Color
Hex	FF96D1
RGB	255, 150, 209
RGB Percent	100%, 59%, 82%
CMY	0.0001, 0.4117, 0.1804
CMYK	0.00, 0.41, 0.18, 0.00
HSL	326°, 100%, 79%
HSV	326°, 41%, 100%
XYZ	63.6510, 47.6761, 66.1714
YIQ	188.1210, 43.6410, 40.6090

Conversions

Conversions Part 2

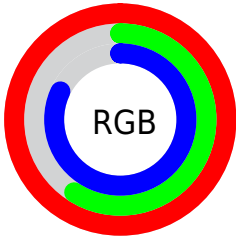
Format	Color
R _Y B	255, 150, 209
Decimal	16750289
CIE Lab	74.62, 46.84, -13.17
CIE LCh	75, 48.658, 344.301
Yxy	47.6761, 0.3586, 0.2686
Android (android.graphics.Color)	4294940369 (0xFFFF96D1)
YUV	188.1210, 10.2933, 58.6529
Hunter-Lab	69.0479, 43.7143, -8.4865

Details

The Yxy color $47.6761, 0.3586, 0.2686$ is a light color, and the websafe version is hex $FF99CC$. A complement of this color would be $81.9812, 0.2840, 0.3994$, and the grayscale version is $50.2856, 0.3127, 0.3290$.

A 20% lighter version of the original color is $72.6226, 0.3150, 0.2811$, and $22.4681, 0.3695, 0.2526$ is the 20% darker color. If you saturate the color by 10%, you get $39.8719, 0.3750, 0.2548$, and if you desaturate by 10%, it is $57.2940, 0.3444, 0.2835$.

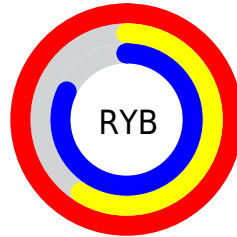
Distribution



Red (100%)

Green (59%)

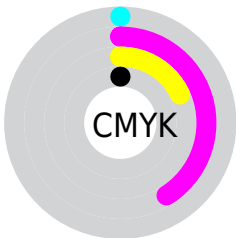
Blue (82%)



Red (100%)

Yellow (59%)

Blue (82%)

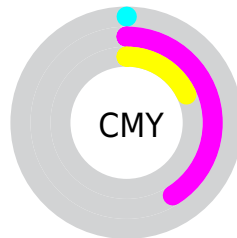


Cyan (0%)

Magenta (41%)

Yellow (18%)

Black (0%)



Cyan (0%)


Magenta (41%)


Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 47.6761, 0.3586, 0.2686 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 47.6761, 0.3586, 0.2686 by changing the saturation by 10% instead.

 47.6761, 0.3586,
0.2686


 47.6761, 0.3586,
0.2686


377.5068, 0.3365,
0.2971

 33.5705, 0.3639,
0.2620


 86.7220, 0.3508,
0.2786

 22.5638, 0.3704,
0.2537


 112.4310, 0.3478,
0.2825

 14.2718, 0.3790,
0.2431


142.7765, 0.3452,
0.2858

 8.3099, 0.3904,
0.2292

178.1431, 0.3430,
0.2887

 4.2939, 0.4065,
0.2100

218.9150, 0.3411,
0.2912

 1.8393, 0.4308,
0.1822

265.4766, 0.3394,

 0.5115, 0.4769,

0.2934

0.1283

318.2125, 0.3379,
0.2954

0.0000, 0.6798,
0.0000

0.0000, 0.0000,
0.0000

47.6761, 0.3586,
0.2686

47.6761, 0.3586,
0.2686

39.8719, 0.3750,
0.2548

57.2940, 0.3444,
0.2835

33.7578, 0.3935,
0.2431

68.8250, 0.3323,
0.2986

29.2055, 0.4135,
0.2348

82.3696, 0.3221,
0.3133

26.0650, 0.4346,
0.2310

98.0191, 0.3136,
0.3274

■ 24.1563, 0.4555,
0.2327

99.9971, 0.3127,
0.3290

■ 23.2492, 0.4734,
0.2382

Harmonies

Analogous

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



47.6761, 0.2898, 0.2374



47.6761, 0.3586, 0.2686



47.6761, 0.4188, 0.3131

Triad

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



47.6761, 0.3586, 0.2686



47.6761, 0.3870, 0.4472



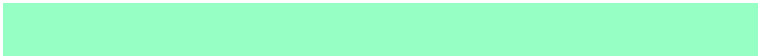
47.6761, 0.1950, 0.2715

Complementary

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



47.6761, 0.3586, 0.2686



81.9812, 0.2840, 0.3994

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.



47.6761, 0.2149, 0.3327



47.6761, 0.3586, 0.2686



47.6761, 0.3237, 0.4476

Square

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



47.6761, 0.3586, 0.2686



47.6761, 0.4332, 0.4126



47.6761, 0.2608, 0.4026



47.6761, 0.2018, 0.2354

Rectangle

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



47.6761, 0.3586, 0.2686



47.6761, 0.4419, 0.3466



47.6761, 0.2608, 0.4026



47.6761, 0.1986, 0.2895

Sweetspot

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



47.6784, 0.3586, 0.2686



81.1731, 0.3229, 0.3121



40.7057, 0.2687, 0.2120



16.9753, 0.3241, 0.3102



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.



47.6784, 0.3586, 0.2686



41.4212, 0.3713, 0.2577



45.5095, 0.4119, 0.3219



18.1581, 0.3206, 0.3157



12.1804, 0.4702, 0.2364



1.2079, 0.4484, 0.2244

Inverse Universe

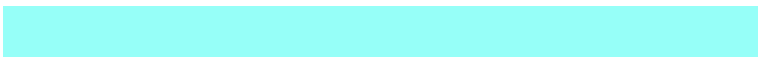
The Inverse Universe completely reimagines the original color for something new.



47.6784, 0.3586, 0.2686



41.4212, 0.3713, 0.2577



84.7723, 0.2593, 0.3367



18.1581, 0.3206, 0.3157



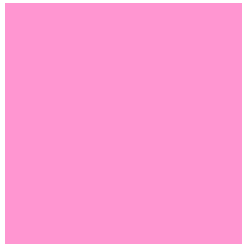
12.1804, 0.4702, 0.2364



1.2079, 0.4484, 0.2244

Previews

White Background



This preview shows how the Yxy color 47.6761, 0.3586, 0.2686 looks on a white background.

Color Contrast Check

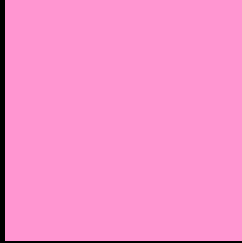
Large Text (above 18pt) WCAG AA × Fail

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 47.6761, 0.3586, 0.2686 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 47.6761, 0.3586, 0.2686

Background



This preview shows how black text looks on a background with the Yxy color 47.6761, 0.3586, 0.2686.



This preview shows how white text looks on a background with the Yxy color 47.6761, 0.3586, 0.2686.

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

47.6761, 0.3586, 0.2686

Protanopia

47.9961, 0.2699, 0.2689

Deuteranopia

47.9373, 0.3049, 0.2982



Tritanopia

47.8275, 0.3928, 0.3175

Trichromacy



Original Color

47.6761, 0.3586, 0.2686



Protanomaly

46.6337, 0.2979, 0.2669



Deuteranomaly

47.0604, 0.3237, 0.2849



Tritanomaly

47.5988, 0.3795, 0.2985

Monochromacy



Original Color

47.6761, 0.3586, 0.2686



Achromatopsia

50.2886, 0.3127, 0.3290



Achromatomaly

48.2547, 0.3280, 0.3029

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.6761, 0.3586, 0.2686 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, 150, 209)` looks like.

```
.text, #text, p{  
    color:rgb(255, 150, 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, 150, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 150, 209) }
```

Border

The CSS property to change the border of an element to Yxy 47.6761, 0.3586, 0.2686 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, 150, 209) }
```

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

```
.border{ border-color:rgb(255, 150, 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, 150, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 150, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 150, 209);  
box-shadow:4px 4px 4px 4px rgb(255, 150,  
209) }
```


Background

The CSS property to change the background color of an element to Yxy 47.6761, 0.3586, 0.2686 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 150, 209) }
```

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

```
.background{ background-color: rgb(255,  
150, 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