

Converting Colors

$Y_{xy}(70.7764, 0.4353, 0.2821)$

Have a look what the booklet for
Yxy(70.7764, 0.4353, 0.2821)
contains.

Yxy(47.5590, 0.3549, 0.2638)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(47.5590, 0.3549, 0.2638)

Conversions

Conversions Part 1

Format	Color
Hex	FF95D5
RGB	255, 149, 213
RGB Percent	100%, 58%, 84%
CMY	0.0002, 0.4155, 0.1648
CMYK	0.00, 0.42, 0.16, 0.00
HSL	324°, 100%, 79%
HSV	324°, 42%, 100%
XYZ	63.9829, 47.5590, 68.7424
YIQ	187.9900, 42.6320, 42.3760

Conversions

Conversions Part 2

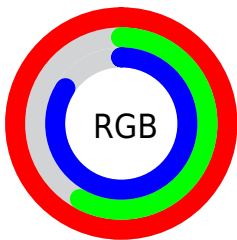
Format	Color
R _Y B	255, 149, 213
Decimal	16750037
CIE Lab	74.55, 47.92, -15.46
CIE LCh	75, 50.354, 342.120
Yxy	47.5590, 0.3549, 0.2638
Android (android.graphics.Color)	4294940117 (0xFFFF95D5)
YUV	187.9900, 12.3299, 58.7678
Hunter-Lab	68.9630, 44.9244, -10.8262

Details

The Yxy color $47.5590, 0.3549, 0.2638$ is a light color, and the websafe version is hex FF99CC . A complement of this color would be $81.6470, 0.2860, 0.4057$, and the grayscale version is $50.1968, 0.3127, 0.3290$.

A 20% lighter version of the original color is $72.1426, 0.3150, 0.2801$, and $22.3888, 0.3656, 0.2478$ is the 20% darker color. If you saturate the color by 10%, you get $39.8580, 0.3696, 0.2491$, and if you desaturate by 10%, it is $57.0621, 0.3420, 0.2796$.

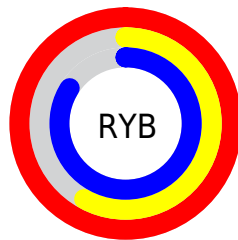
Distribution



Red (100%)

Green (58%)

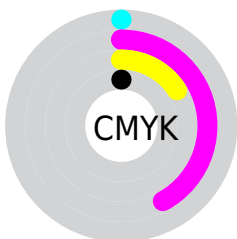
Blue (84%)



Red (100%)

Yellow (58%)

Blue (84%)

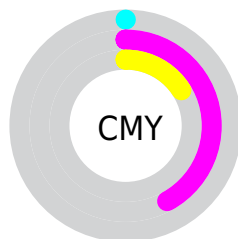


Cyan (0%)

Magenta (42%)

Yellow (16%)

Black (0%)



Cyan (0%)


Magenta (42%)

Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 47.5590, 0.3549, 0.2638 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 47.5590, 0.3549, 0.2638 by changing the saturation by 10% instead.


 47.5590, 0.3549,
0.2638

 47.5590, 0.3549,
0.2638


377.0414, 0.3348,
0.2944

 33.4778, 0.3596,
0.2567


 86.5474, 0.3478,
0.2745

 22.4927, 0.3655,
0.2479


 112.2234, 0.3451,
0.2786

 14.2194, 0.3731,
0.2367


142.5332, 0.3428,
0.2822

 8.2734, 0.3832,
0.2221

177.8610, 0.3407,
0.2853

 4.2704, 0.3973,
0.2021

218.5914, 0.3390,
0.2880

 1.8259, 0.4181,
0.1734

265.1086, 0.3374,

 0.5033, 0.4570,

0.2904

0.1190

317.7972, 0.3360,
0.2925

0.0000, 0.5846,
0.0000

0.0000, 0.0000,
0.0000

47.5590, 0.3549,
0.2638

47.5590, 0.3549,
0.2638

39.8580, 0.3696,
0.2491

57.0621, 0.3420,
0.2796

33.8355, 0.3861,
0.2367

68.4672, 0.3310,
0.2958

29.3627, 0.4038,
0.2276

81.8745, 0.3216,
0.3116

26.2891, 0.4223,
0.2232

97.3753, 0.3138,
0.3267

■ 24.4335, 0.4407,
0.2240

99.9916, 0.3127,
0.3290

■ 23.5816, 0.4557,
0.2284

Harmonies

Analogous

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



47.5590, 0.2841, 0.2330



47.5590, 0.3549, 0.2638



47.5590, 0.4190, 0.3087

Triad

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



47.5590, 0.3549, 0.2638



47.5590, 0.3934, 0.4495



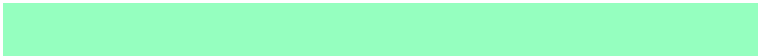
47.5590, 0.1919, 0.2731

Complementary

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



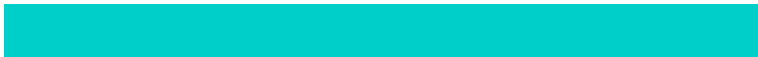
47.5590, 0.3549, 0.2638



81.6470, 0.2860, 0.4057

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.



47.5590, 0.2143, 0.3379



47.5590, 0.3549, 0.2638



47.5590, 0.3287, 0.4537

Square

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



47.5590, 0.3549, 0.2638



47.5590, 0.4394, 0.4115



47.5590, 0.2632, 0.4102



47.5590, 0.1970, 0.2340

Rectangle

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



47.5590, 0.3549, 0.2638



47.5590, 0.4448, 0.3429



47.5590, 0.2632, 0.4102



47.5590, 0.1963, 0.2922

Sweetspot

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



47.5612, 0.3549, 0.2638



81.2499, 0.3220, 0.3109



39.6246, 0.2640, 0.2095



16.9934, 0.3232, 0.3088



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.



47.5612, 0.3549, 0.2638



40.9503, 0.3672, 0.2513



45.3455, 0.4077, 0.3163



18.1713, 0.3199, 0.3147



12.3570, 0.4529, 0.2269



1.2247, 0.4337, 0.2163

Inverse Universe

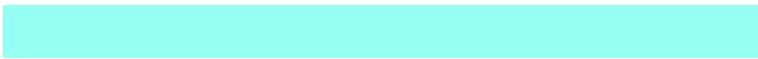
The Inverse Universe completely reimagines the original color for something new.



47.5612, 0.3549, 0.2638



40.9503, 0.3672, 0.2513



84.3315, 0.2613, 0.3429



18.1713, 0.3199, 0.3147



12.3570, 0.4529, 0.2269



1.2247, 0.4337, 0.2163

Previews

White Background



This preview shows how the Yxy color 47.5590, 0.3549, 0.2638 looks on a white background.

Color Contrast Check

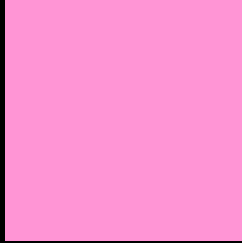
Large Text (above 18pt) WCAG AA × Fail

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 47.5590, 0.3549, 0.2638 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 47.5590, 0.3549, 0.2638

Background



This preview shows how black text looks on a background with the Yxy color 47.5590, 0.3549, 0.2638.



This preview shows how white text looks on a background with the Yxy color 47.5590, 0.3549, 0.2638.

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

47.5590, 0.3549, 0.2638

Protanopia

48.0001, 0.2659, 0.2643

Deuteranopia

47.7414, 0.2994, 0.2932



Tritanopia

47.6423, 0.3919, 0.3174

Trichromacy



Original Color

47.5590, 0.3549, 0.2638



Protanomaly

46.7130, 0.2940, 0.2625



Deuteranomaly

46.9545, 0.3185, 0.2803



Tritanomaly

47.6409, 0.3785, 0.2975

Monochromacy



Original Color

47.5590, 0.3549, 0.2638



Achromatopsia

50.2886, 0.3127, 0.3290



Achromatomaly

48.3004, 0.3272, 0.3018

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.5590, 0.3549, 0.2638 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, 149, 213)` looks like.

```
.text, #text, p{  
    color:rgb(255, 149, 213)  
}
```

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, 149, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 149, 213) }
```

Border

The CSS property to change the border of an element to Yxy 47.5590, 0.3549, 0.2638 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, 149, 213) }
```

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

```
.border{ border-color:rgb(255, 149, 213) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 149, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 149, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 149, 213);  
box-shadow:4px 4px 4px 4px rgb(255, 149,  
213) }
```


Background

The CSS property to change the background color of an element to Yxy 47.5590, 0.3549, 0.2638 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 149, 213) }
```

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

```
.background{ background-color: rgb(255,  
149, 213) }
```

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