

Converting Colors

$Yxy(86.3976, 0.4291, 0.3029)$

Have a look what the booklet for
Yxy(86.3976, 0.4291, 0.3029)
contains.

Yxy(59.7779, 0.3453, 0.2922)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(59.7779, 0.3453, 0.2922)

Conversions

Conversions Part 1

Format	Color
Hex	FFB6DA
RGB	255, 182, 218
RGB Percent	100%, 71%, 85%
CMY	0.0000, 0.2864, 0.1450
CMYK	0.00, 0.29, 0.15, 0.00
HSL	330°, 100%, 86%
HSV	330°, 29%, 100%
XYZ	70.6410, 59.7779, 74.1598
YIQ	207.9310, 31.9520, 26.6720

Conversions

Conversions Part 2

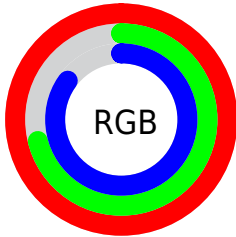
Format	Color
R _Y B	255, 182, 218
Decimal	16758490
CIE Lab	81.72, 31.71, -7.49
CIE LCh	82, 32.585, 346.712
Yxy	59.7779, 0.3453, 0.2922
Android (android.graphics.Color)	4294948570 (0xFFFFB6DA)
YUV	207.9310, 4.9640, 41.2795
Hunter-Lab	77.3162, 27.7858, -2.7482

Details

The Yxy color $59.7779, 0.3453, 0.2922$ is a light color, and the websafe version is hex `FFCCFF`. A complement of this color would be $86.5742, 0.2892, 0.3692$, and the grayscale version is $62.9726, 0.3127, 0.3290$.

A 20% lighter version of the original color is $89.6291, 0.3135, 0.3127$, and $29.9530, 0.3532, 0.2832$ is the 20% darker color. If you saturate the color by 10%, you get $49.6103, 0.3612, 0.2789$, and if you desaturate by 10%, it is $71.8828, 0.3319, 0.3055$.

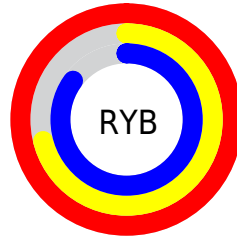
Distribution



Red (100%)

Green (71%)

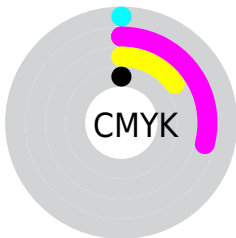
Blue (85%)



Red (100%)

Yellow (71%)

Blue (85%)

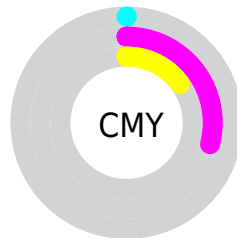


Cyan (0%)

Magenta (29%)

Yellow (15%)

Black (0%)



Cyan (0%)


Magenta (29%)

Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 59.7779, 0.3453, 0.2922 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 59.7779, 0.3453, 0.2922 by changing the saturation by 10% instead.


 59.7779, 0.3453,
0.2922

 59.7779, 0.3453,
0.2922

423.7786, 0.3299,
0.3093

 43.2396, 0.3489,
0.2883


 104.5074, 0.3399,
0.2982

 30.0732, 0.3533,
0.2834


133.4675, 0.3378,
0.3005

 19.8941, 0.3590,
0.2772


167.3369, 0.3361,
0.3025

 12.3181, 0.3666,
0.2691

206.5001, 0.3345,
0.3042

 6.9607, 0.3771,
0.2580

251.3415, 0.3332,
0.3057

 3.4375, 0.3926,
0.2420

302.2454, 0.3320,

 1.3642, 0.4177,

0.3071

0.2169

359.5964, 0.3309,
0.3083

0.1901, 0.5104,
0.1011

0.0000, 0.0000,
0.0000

59.7779, 0.3453,
0.2922

59.7779, 0.3453,
0.2922

49.6103, 0.3612,
0.2789

71.8828, 0.3319,
0.3055

41.3008, 0.3798,
0.2664

86.0469, 0.3208,
0.3184

34.7267, 0.4012,
0.2556

100.0000, 0.3127,
0.3290

29.7608, 0.4249,
0.2478

■ 26.2581, 0.4500,
0.2443

■ 24.0472, 0.4754,
0.2461

■ 22.8844, 0.4996,
0.2532

■ 22.7631, 0.5029,
0.2544

Harmonies

Analogous

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



59.7779, 0.3026, 0.2701



59.7779, 0.3453, 0.2922



59.7779, 0.3806, 0.3231

Triad

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



59.7779, 0.3453, 0.2922



59.7779, 0.3586, 0.4037



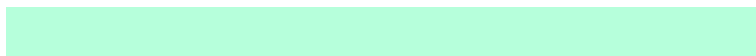
59.7779, 0.2357, 0.2921

Complementary

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



59.7779, 0.3453, 0.2922



86.5742, 0.2892, 0.3692

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.



59.7779, 0.2486, 0.3295



59.7779, 0.3453, 0.2922



59.7779, 0.3183, 0.3985

Square

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



59.7779, 0.3453, 0.2922



59.7779, 0.3877, 0.3869



59.7779, 0.2782, 0.3702



59.7779, 0.2416, 0.2683

Rectangle

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



59.7779, 0.3453, 0.2922



59.7779, 0.3937, 0.3458



59.7779, 0.2782, 0.3702



59.7779, 0.2380, 0.3034

Sweetspot

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



59.7694, 0.3452, 0.2922



85.4954, 0.3211, 0.3180



55.6471, 0.2882, 0.2513



17.8328, 0.3226, 0.3161



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.



59.7694, 0.3452, 0.2922



54.0842, 0.3535, 0.2850



58.0827, 0.3764, 0.3292



18.1366, 0.3216, 0.3173



11.9243, 0.4991, 0.2523



1.1830, 0.4734, 0.2381

Inverse Universe

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



59.7694, 0.3452, 0.2922



54.0842, 0.3535, 0.2850



88.6822, 0.2711, 0.3289



18.1366, 0.3216, 0.3173



11.9243, 0.4991, 0.2523



1.1830, 0.4734, 0.2381

Previews

White Background



This preview shows how the Yxy color 59.7779, 0.3453, 0.2922 looks on a white background.

Color Contrast Check

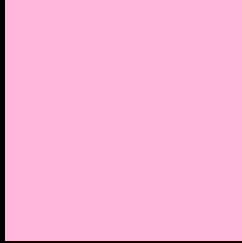
Large Text (above 18pt) WCAG AA × Fail

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 59.7779, 0.3453, 0.2922 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

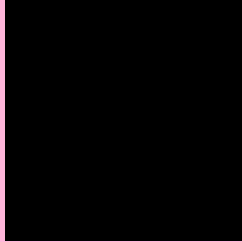
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 59.7779, 0.3453, 0.2922

Background



This preview shows how black text looks on a background with the Yxy color 59.7779, 0.3453, 0.2922.



This preview shows how white text looks on a background with the Yxy color 59.7779, 0.3453, 0.2922.

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

59.7779, 0.3453, 0.2922

Protanopia

60.1527, 0.2906, 0.2958

Deuteranopia

60.1999, 0.3160, 0.3099



Tritanopia

59.7041, 0.3591, 0.3145

Trichromacy



Original Color

59.7779, 0.3453, 0.2922



Protanomaly

59.5813, 0.3089, 0.2947



Deuteranomaly

59.6461, 0.3260, 0.3029



Tritanomaly

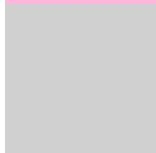
59.8080, 0.3542, 0.3063

Monochromacy



Original Color

59.7779, 0.3453, 0.2922



Achromatopsia

63.0757, 0.3127, 0.3290



Achromatomaly

61.6079, 0.3236, 0.3146

CSS Examples

Text

The CSS property to change the color of the text to Yxy 59.7779, 0.3453, 0.2922 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, 182, 218)` looks like.

```
.text, #text, p{  
    color:rgb(255, 182, 218)  
}
```

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, 182, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 182, 218) }
```

Border

The CSS property to change the border of an element to Yxy 59.7779, 0.3453, 0.2922 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, 182, 218) }
```

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

```
.border{ border-color:rgb(255, 182, 218) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 182, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 182, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 182, 218);  
box-shadow:4px 4px 4px 4px rgb(255, 182,  
218) }
```


Background

The CSS property to change the background color of an element to Yxy 59.7779, 0.3453, 0.2922 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 182, 218) }
```

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

```
.background{ background-color: rgb(255,  
182, 218) }
```

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