

Converting Colors

$Y_{xy}(53.0152, 0.3565, 0.2853)$

Have a look what the booklet for
Yxy(53.0152, 0.3565, 0.2853)
contains.

Yxy(53.0865, 0.3567, 0.2858)	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(53.0865, 0.3567, 0.2858)

Conversions

Conversions Part 1

Format	Color
Hex	FFA6D0
RGB	255, 166, 208
RGB Percent	100%, 65%, 82%
CMY	0.0000, 0.3490, 0.1845
CMYK	0.00, 0.35, 0.18, 0.00
HSL	332°, 100%, 83%
HSV	332°, 35%, 100%
XYZ	66.2560, 53.0865, 66.4046
YIQ	197.3990, 39.5620, 31.9300

Conversions

Conversions Part 2

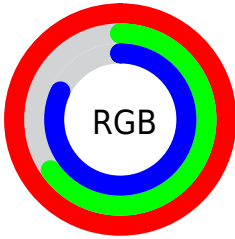
Format	Color
R_{YB}	255, 166, 208
Decimal	16754384
CIE _{Lab}	77.93, 38.48, -7.67
CIE _{LCh}	78, 39.238, 348.735
Yxy	53.0865, 0.3567, 0.2858
Android (android.graphics.Color)	4294944464 (0xFFFFA6D0)
YUV	197.3990, 5.2263, 50.5161
Hunter-Lab	72.8605, 34.8138, -3.0342

Details

The Yxy color **53.0865, 0.3567, 0.2858** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **84.4316, 0.2837, 0.3772**, and the grayscale version is **56.0393, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.7226, 0.3142, 0.2970**, and **26.0137, 0.3677, 0.2752** is the 20% darker color. If you saturate the color by 10%, you get **44.0829, 0.3752, 0.2734**, and if you desaturate by 10%, it is **63.9892, 0.3411, 0.2986**.

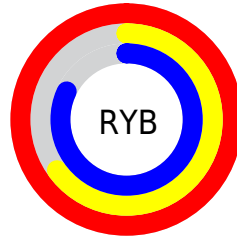
Distribution



Red (100%)

Green (65%)

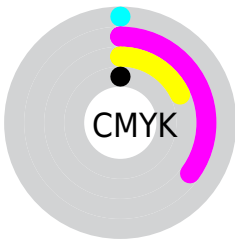
Blue (82%)



Red (100%)

Yellow (65%)

Blue (82%)

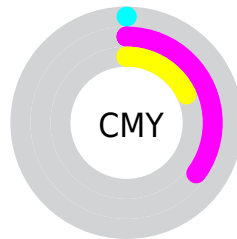


Cyan (0%)

Magenta (35%)

Yellow (18%)

Black (0%)



Cyan (0%)

Magenta (35%)

Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 53.0865, 0.3567, 0.2858 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 53.0865, 0.3567, 0.2858 by changing the saturation by 10% instead.


 53.0865, 0.3567,
0.2858


 53.0865, 0.3567,
0.2858

398.6169, 0.3355,
0.3062

 37.8718, 0.3617,
0.2810


 94.7316, 0.3492,
0.2930

 25.8832, 0.3681,
0.2751


 121.9309, 0.3463,
0.2957

 16.7363, 0.3763,
0.2674


153.8938, 0.3439,
0.2981

 10.0467, 0.3873,
0.2573

191.0048, 0.3418,
0.3002

 5.4299, 0.4029,
0.2433

233.6481, 0.3399,
0.3020

 2.5016, 0.4265,
0.2227

282.2084, 0.3383,

 0.8775, 0.4664,

0.3036

0.1895

337.0698, 0.3368,
0.3050

0.0000, 0.7161,
0.0000

0.0000, 0.0000,
0.0000

53.0865, 0.3567,
0.2858

53.0865, 0.3567,
0.2858

44.0829, 0.3752,
0.2734

63.9892, 0.3411,
0.2986

36.8605, 0.3966,
0.2624

76.8852, 0.3281,
0.3112

31.2996, 0.4207,
0.2538

91.8711, 0.3173,
0.3233

27.2624, 0.4469,
0.2491

99.9990, 0.3127,
0.3290

■ 24.5889, 0.4737,
0.2493

■ 23.0820, 0.4997,
0.2551

■ 22.6202, 0.5125,
0.2597

Harmonies

Analogous

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



53.0865, 0.3031, 0.2582



53.0865, 0.3567, 0.2858



53.0865, 0.4002, 0.3235

Triad

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



53.0865, 0.3567, 0.2858



53.0865, 0.3659, 0.4233



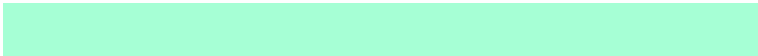
53.0865, 0.2179, 0.2795

Complementary

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



53.0865, 0.3567, 0.2858



84.4316, 0.2837, 0.3772

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.



53.0865, 0.2315, 0.3252



53.0865, 0.3567, 0.2858



53.0865, 0.3152, 0.4161

Square

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



53.0865, 0.3567, 0.2858



53.0865, 0.4041, 0.4019



53.0865, 0.2662, 0.3780



53.0865, 0.2266, 0.2524

Rectangle

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



53.0865, 0.3567, 0.2858



53.0865, 0.4153, 0.3512



53.0865, 0.2662, 0.3780



53.0865, 0.2199, 0.2929

Sweetspot

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



53.0890, 0.3567, 0.2858



83.9578, 0.3225, 0.3172



48.4926, 0.2826, 0.2329



17.5249, 0.3241, 0.3155



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.



53.0890, 0.3567, 0.2858



46.5037, 0.3695, 0.2769



51.8328, 0.3959, 0.3308



18.1297, 0.3220, 0.3178



11.8498, 0.5086, 0.2575



1.1756, 0.4816, 0.2427

Inverse Universe

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



53.0890, 0.3567, 0.2858



46.5037, 0.3695, 0.2769



85.9023, 0.2631, 0.3272



18.1297, 0.3220, 0.3178



11.8498, 0.5086, 0.2575



1.1756, 0.4816, 0.2427

Previews

White Background



This preview shows how the Yxy color 53.0865, 0.3567, 0.2858 looks on a white background.

Color Contrast Check

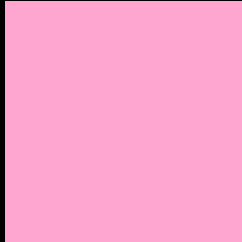
Large Text (above 18pt) WCAG AA × Fail

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 53.0865, 0.3567, 0.2858 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 53.0865, 0.3567, 0.2858

Background



This preview shows how black text looks on a background with the Yxy color 53.0865, 0.3567, 0.2858.



This preview shows how white text looks on a background with the Yxy color 53.0865, 0.3567, 0.2858.

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

53.0865, 0.3567, 0.2858

Protanopia

53.6459, 0.2861, 0.2907

Deuteranopia

53.1657, 0.3161, 0.3089



Tritanopia

52.8638, 0.3763, 0.3154

Trichromacy



Original Color

53.0865, 0.3567, 0.2858



Protanomaly

52.9260, 0.3097, 0.2889



Deuteranomaly

52.4953, 0.3303, 0.2996



Tritanomaly

53.0644, 0.3690, 0.3050

Monochromacy



Original Color

53.0865, 0.3567, 0.2858



Achromatopsia

55.8340, 0.3127, 0.3290



Achromatomaly

54.2403, 0.3277, 0.3118

CSS Examples

Text

The CSS property to change the color of the text to Yxy 53.0865, 0.3567, 0.2858 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, 166, 208)` looks like.

```
.text, #text, p{  
    color:rgb(255, 166, 208)  
}
```

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, 166, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 166, 208) }
```

Border

The CSS property to change the border of an element to Yxy 53.0865, 0.3567, 0.2858 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, 166, 208) }
```

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

```
.border{ border-color:rgb(255, 166, 208) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 166, 208)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 166, 208); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 166, 208);  
box-shadow:4px 4px 4px 4px rgb(255, 166,  
208) }
```


Background

The CSS property to change the background color of an element to Yxy 53.0865, 0.3567, 0.2858 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 166, 208) }
```

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

```
.background{ background-color: rgb(255,  
166, 208) }
```

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