

Converting Colors

$Y_{xy}(55.8140, 0.33370, 0.2690)$

Have a look what the booklet for
Yxy(55.8140, 0.3370, 0.2690)
contains.

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Color

Yxy(55.7226, 0.3368, 0.2685)

Conversions

Conversions Part 1

Format	Color
Hex	FFAAE6
RGB	255, 170, 230
RGB Percent	100%, 67%, 90%
CMY	0.0000, 0.3333, 0.0981
CMYK	0.00, 0.33, 0.10, 0.00
HSL	318°, 100%, 83%
HSV	318°, 33%, 100%
XYZ	69.8971, 55.7226, 81.9133
YIQ	202.2550, 31.4000, 36.6800

Conversions

Conversions Part 2

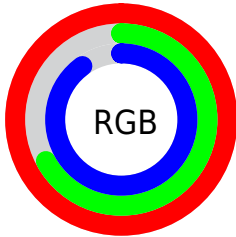
Format	Color
R _Y B	255, 170, 230
Decimal	16755430
CIE Lab	79.46, 39.87, -17.32
CIE LCh	79, 43.465, 336.518
Yxy	55.7226, 0.3368, 0.2685
Android (android.graphics.Color)	4294945510 (0xFFFFAAE6)
YUV	202.2550, 13.6783, 46.2574
Hunter-Lab	74.6476, 36.5072, -12.8076

Details

The Yxy color **55.7226, 0.3368, 0.2685** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **84.0083, 0.2950, 0.3985**, and the grayscale version is **59.1276, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.8727, 0.3140, 0.3009**, and **27.4171, 0.3427, 0.2545** is the 20% darker color. If you saturate the color by 10%, you get **46.6587, 0.3465, 0.2505**, and if you desaturate by 10%, it is **66.6596, 0.3282, 0.2870**.

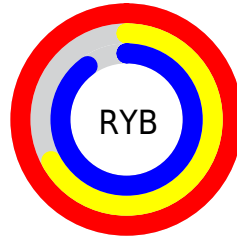
Distribution



Red (100%)

Green (67%)

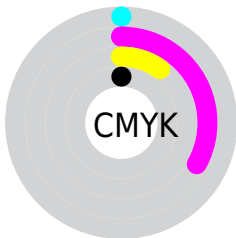
Blue (90%)



Red (100%)

Yellow (67%)

Blue (90%)

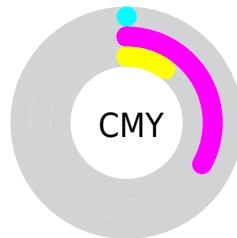


Cyan (0%)

Magenta (33%)

Yellow (10%)

Black (0%)



Cyan (0%)

Magenta (33%)

Yellow (10%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 55.7226, 0.3368, 0.2685 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 55.7226, 0.3368, 0.2685 by changing the saturation by 10% instead.


 55.7226, 0.3368,
0.2685

 55.7226, 0.3368,
0.2685


408.6453, 0.3259,
0.2963

 39.9806, 0.3392,
0.2622


 98.5989, 0.3330,
0.2781

 27.5234, 0.3422,
0.2545


126.5019, 0.3316,
0.2818

 17.9667, 0.3460,
0.2449


159.2274, 0.3303,
0.2850

 10.9261, 0.3508,
0.2323

197.1597, 0.3292,
0.2879

 6.0171, 0.3571,
0.2156

240.6832, 0.3282,
0.2903

 2.8555, 0.3659,
0.1921

290.1824, 0.3273,

 1.0568, 0.3786,

0.2925

0.1572

346.0416, 0.3266,
0.2945

0.0000, 0.4425,
0.0000

0.0000, 0.0000,
0.0000

55.7226, 0.3368,
0.2685

55.7226, 0.3368,
0.2685

46.6587, 0.3465,
0.2505

66.6596, 0.3282,
0.2870

39.3589, 0.3574,
0.2341

79.5676, 0.3209,
0.3055

33.7045, 0.3692,
0.2202

94.5393, 0.3146,
0.3233

29.5621, 0.3817,
0.2100

100.0000, 0.3127,
0.3290

■ 26.7768, 0.3943,
0.2044

■ 25.1604, 0.4067,
0.2039

■ 24.5517, 0.4147,
0.2058

Harmonies

Analogous

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



55.7226, 0.2796, 0.2450



55.7226, 0.3368, 0.2685



55.7226, 0.3914, 0.3052

Triad

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



55.7226, 0.3368, 0.2685



55.7226, 0.3895, 0.4249



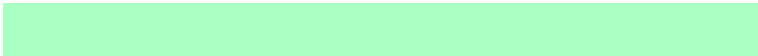
55.7226, 0.2133, 0.2928

Complementary

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



55.7226, 0.3368, 0.2685



84.0083, 0.2950, 0.3985

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.



55.7226, 0.2374, 0.3483



55.7226, 0.3368, 0.2685



55.7226, 0.3380, 0.4321

Square

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



55.7226, 0.3368, 0.2685



55.7226, 0.4219, 0.3922



55.7226, 0.2823, 0.4032



55.7226, 0.2130, 0.2549

Rectangle

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



55.7226, 0.3368, 0.2685



55.7226, 0.4163, 0.3340



55.7226, 0.2823, 0.4032



55.7226, 0.2187, 0.3099

Sweetspot

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



55.7230, 0.3368, 0.2685



84.3215, 0.3187, 0.3115



47.4523, 0.2694, 0.2337



17.6130, 0.3196, 0.3090



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.



55.7230, 0.3368, 0.2685



49.4768, 0.3432, 0.2564



53.6605, 0.3739, 0.3099



18.2038, 0.3183, 0.3124



12.8562, 0.4128, 0.2048



1.2709, 0.3997, 0.1976

Inverse Universe

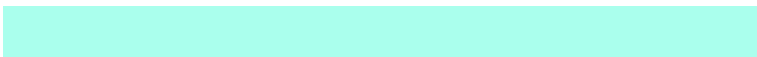
The Inverse Universe completely reimagines the original color for something new.



55.7230, 0.3368, 0.2685



49.4768, 0.3432, 0.2564



86.1568, 0.2740, 0.3494



18.2038, 0.3183, 0.3124



12.8562, 0.4128, 0.2048



1.2709, 0.3997, 0.1976

Previews

White Background



This preview shows how the Yxy color 55.7226, 0.3368, 0.2685 looks on a white background.

Color Contrast Check

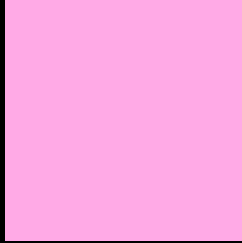
Large Text (above 18pt) WCAG AA × Fail

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 55.7226, 0.3368, 0.2685 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

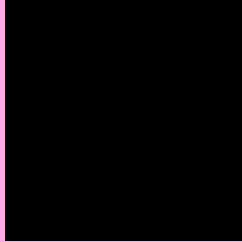
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 55.7226, 0.3368, 0.2685

Background



This preview shows how black text looks on a background with the Yxy color 55.7226, 0.3368, 0.2685.



This preview shows how white text looks on a background with the Yxy color 55.7226, 0.3368, 0.2685.

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

55.7226, 0.3368, 0.2685

Protanopia

56.0599, 0.2704, 0.2692

Deuteranopia

55.8868, 0.2967, 0.2898



Tritanopia

55.5299, 0.3653, 0.3143

Trichromacy



Original Color

55.7226, 0.3368, 0.2685



Protanomaly

55.1703, 0.2915, 0.2680



Deuteranomaly

55.3566, 0.3109, 0.2815



Tritanomaly

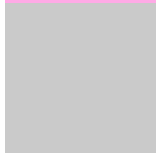
55.3753, 0.3553, 0.2967

Monochromacy



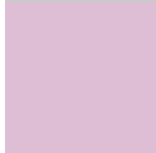
Original Color

55.7226, 0.3368, 0.2685



Achromatopsia

59.0619, 0.3127, 0.3290



Achromatomaly

56.9525, 0.3212, 0.3043

CSS Examples

Text

The CSS property to change the color of the text to Yxy 55.7226, 0.3368, 0.2685 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, 170, 230)` looks like.

```
.text, #text, p{  
    color:rgb(255, 170, 230)  
}
```

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, 170, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 170, 230) }
```

Border

The CSS property to change the border of an element to Yxy 55.7226, 0.3368, 0.2685 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, 170, 230) }
```

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

```
.border{ border-color:rgb(255, 170, 230) }
```

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

Here you see how a box with a 4 pixel rgb(255, 170, 230) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 170, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 170, 230);  
box-shadow:4px 4px 4px 4px rgb(255, 170,  
230) }
```


Background

The CSS property to change the background color of an element to Yxy 55.7226, 0.3368, 0.2685 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 170, 230) }
```

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

```
.background{ background-color: rgb(255,  
170, 230) }
```

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](#).

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