

Converting Colors

$Y_{xy}(100.0000, 0.4555, 0.2909)$

Have a look what the booklet for
Yxy(100.0000, 0.4555, 0.2909)
contains.

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Color

Yxy(55.4621, 0.3352, 0.2656)

Conversions

Conversions Part 1

Format	Color
Hex	FFA9E8
RGB	255, 169, 232
RGB Percent	100%, 66%, 91%
CMY	0.0000, 0.3372, 0.0902
CMYK	0.00, 0.34, 0.09, 0.00
HSL	316°, 100%, 83%
HSV	316°, 34%, 100%
XYZ	69.9958, 55.4621, 83.3602
YIQ	201.8960, 31.0330, 37.8250

Conversions

Conversions Part 2

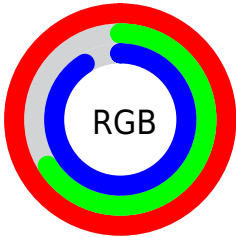
Format	Color
R _Y B	255, 169, 232
Decimal	16755176
CIE Lab	79.31, 40.72, -18.64
CIE LCh	79, 44.784, 335.402
Yxy	55.4621, 0.3352, 0.2656
Android (android.graphics.Color)	4294945256 (0xFFFFA9E8)
YUV	201.8960, 14.8413, 46.5722
Hunter-Lab	74.4729, 37.4417, -14.2344

Details

The Yxy color **55.4621, 0.3352, 0.2656** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **83.7610, 0.2961, 0.4023**, and the grayscale version is **58.8855, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.3304, 0.3141, 0.2999**, and **27.2664, 0.3405, 0.2510** is the 20% darker color. If you saturate the color by 10%, you get **46.5020, 0.3441, 0.2471**, and if you desaturate by 10%, it is **66.2886, 0.3273, 0.2848**.

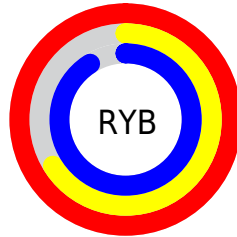
Distribution



Red (100%)

Green (66%)

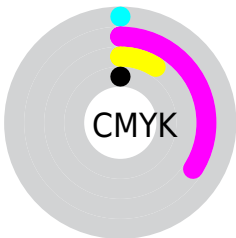
Blue (91%)



Red (100%)

Yellow (66%)

Blue (91%)

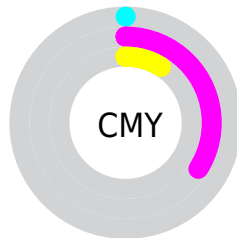


Cyan (0%)

Magenta (34%)

Yellow (9%)

Black (0%)



Cyan (0%)


Magenta (34%)


Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 55.4621, 0.3352, 0.2656 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 55.4621, 0.3352, 0.2656 by changing the saturation by 10% instead.

 55.4621, 0.3352,
0.2656

 55.4621, 0.3352,
0.2656


407.6612, 0.3251,
0.2946

 39.7718, 0.3374,
0.2591


 98.2177, 0.3317,
0.2756

 27.3607, 0.3402,
0.2511


126.0518, 0.3304,
0.2795

 17.8443, 0.3435,
0.2410


158.7026, 0.3292,
0.2829

 10.8383, 0.3478,
0.2280

196.5545, 0.3282,
0.2858

 5.9582, 0.3534,
0.2107

239.9919, 0.3273,
0.2884

 2.8197, 0.3610,
0.1865

289.3992, 0.3265,

 1.0383, 0.3715,

0.2907

0.1509

345.1609, 0.3257,
0.2928

0.0000, 0.4263,
0.0000

0.0000, 0.0000,
0.0000

55.4621, 0.3352,
0.2656

55.4621, 0.3352,
0.2656

46.5020, 0.3441,
0.2471

66.2886, 0.3273,
0.2848

39.2982, 0.3540,
0.2302

79.0789, 0.3205,
0.3038

33.7319, 0.3646,
0.2160

93.9261, 0.3147,
0.3223

29.6689, 0.3757,
0.2055

100.0000, 0.3127,
0.3290

■ 26.9536, 0.3869,
0.1997

■ 25.3959, 0.3978,
0.1987

■ 24.8395, 0.4045,
0.2002

Harmonies

Analogous

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



55.4621, 0.2766, 0.2421



55.4621, 0.3352, 0.2656



55.4621, 0.3921, 0.3029

Triad

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



55.4621, 0.3352, 0.2656



55.4621, 0.3933, 0.4268



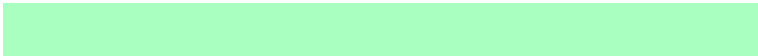
55.4621, 0.2109, 0.2933

Complementary

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



55.4621, 0.3352, 0.2656



83.7610, 0.2961, 0.4023

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.



55.4621, 0.2364, 0.3511



55.4621, 0.3352, 0.2656



55.4621, 0.3407, 0.4359

Square

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



55.4621, 0.3352, 0.2656



55.4621, 0.4259, 0.3923



55.4621, 0.2832, 0.4076



55.4621, 0.2097, 0.2537

Rectangle

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



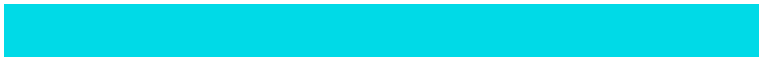
55.4621, 0.3352, 0.2656



55.4621, 0.4186, 0.3323



55.4621, 0.2832, 0.4076



55.4621, 0.2167, 0.3112

Sweetspot

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



55.4627, 0.3352, 0.2656



84.3642, 0.3182, 0.3108



46.7944, 0.2677, 0.2322



17.6234, 0.3191, 0.3082



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.



55.4627, 0.3352, 0.2656



49.6285, 0.3407, 0.2539



53.3135, 0.3735, 0.3082



18.2126, 0.3179, 0.3117



13.0053, 0.4028, 0.1993



1.2845, 0.3913, 0.1929

Inverse Universe

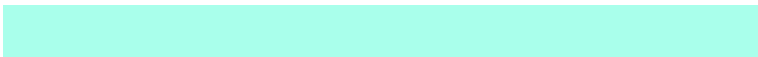
The Inverse Universe completely reimagines the original color for something new.



55.4627, 0.3352, 0.2656



49.6285, 0.3407, 0.2539



85.9495, 0.2743, 0.3513



18.2126, 0.3179, 0.3117



13.0053, 0.4028, 0.1993



1.2845, 0.3913, 0.1929

Previews

White Background



This preview shows how the Yxy color 55.4621, 0.3352, 0.2656 looks on a white background.

Color Contrast Check

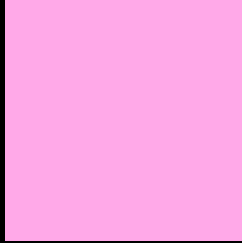
Large Text (above 18pt) WCAG AA × Fail

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 55.4621, 0.3352, 0.2656 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

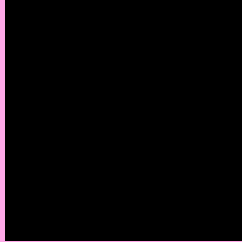
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 55.4621, 0.3352, 0.2656

Background



This preview shows how black text looks on a background with the Yxy color 55.4621, 0.3352, 0.2656.



This preview shows how white text looks on a background with the Yxy color 55.4621, 0.3352, 0.2656.

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

55.4621, 0.3352, 0.2656

Protanopia

55.9996, 0.2673, 0.2659

Deuteranopia

55.7182, 0.2938, 0.2875



Tritanopia

55.4860, 0.3662, 0.3153

Trichromacy



Original Color

55.4621, 0.3352, 0.2656



Protanomaly

55.1442, 0.2894, 0.2658



Deuteranomaly

55.3103, 0.3086, 0.2793



Tritanomaly

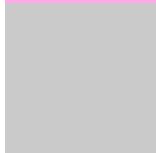
55.3753, 0.3553, 0.2967

Monochromacy



Original Color

55.4621, 0.3352, 0.2656



Achromatopsia

59.0619, 0.3127, 0.3290



Achromatomaly

57.0032, 0.3204, 0.3032

CSS Examples

Text

The CSS property to change the color of the text to Yxy 55.4621, 0.3352, 0.2656 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, 169, 232)` looks like.

```
.text, #text, p{  
    color:rgb(255, 169, 232)  
}
```

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, 169, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 169, 232) }
```

Border

The CSS property to change the border of an element to Yxy 55.4621, 0.3352, 0.2656 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, 169, 232) }
```

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

```
.border{ border-color:rgb(255, 169, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 169, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 169, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 169, 232);  
box-shadow:4px 4px 4px 4px rgb(255, 169,  
232) }
```


Background

The CSS property to change the background color of an element to Yxy 55.4621, 0.3352, 0.2656 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 169, 232) }
```

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

```
.background{ background-color: rgb(255,  
169, 232) }
```

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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