

Converting Colors

$Y_{xy}(76.8622, 0.4020, 0.2800)$

Have a look what the booklet for
Yxy(76.8622, 0.4020, 0.2800)
contains.

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Color

Yxy(56.3840, 0.3325, 0.2648)

Conversions

Conversions Part 1

Format	Color
Hex	FFABEB
RGB	255, 171, 235
RGB Percent	100%, 67%, 92%
CMY	0.0000, 0.3294, 0.0784
CMYK	0.00, 0.33, 0.08, 0.00
HSL	314°, 100%, 84%
HSV	314°, 33%, 100%
XYZ	70.7994, 56.3840, 85.7471
YIQ	203.4120, 29.5200, 37.7120

Conversions

Conversions Part 2

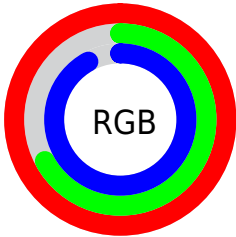
Format	Color
R _{YB}	255, 171, 235
Decimal	16755691
CIE _{Lab}	79.83, 40.18, -19.47
CIE _{LCh}	80, 44.644, 334.150
Yxy	56.3840, 0.3325, 0.2648
Android (android.graphics.Color)	4294945771 (0xFFFFABEB)
YUV	203.4120, 15.5729, 45.2427
Hunter-Lab	75.0893, 36.8960, -15.1429

Details

The Yxy color $56.3840, 0.3325, 0.2648$ is a light color, and the websafe version is hex FF99CC . A complement of this color would be $83.9402, 0.2977, 0.4033$, and the grayscale version is $59.8802, 0.3127, 0.3290$.

A 20% lighter version of the original color is $83.4182, 0.3140, 0.3019$, and $27.8476, 0.3368, 0.2499$ is the 20% darker color. If you saturate the color by 10%, you get $47.3182, 0.3404, 0.2456$, and if you desaturate by 10%, it is $67.3227, 0.3255, 0.2846$.

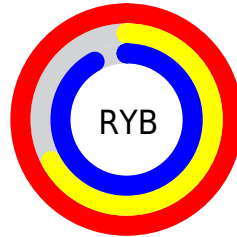
Distribution



Red (100%)

Green (67%)

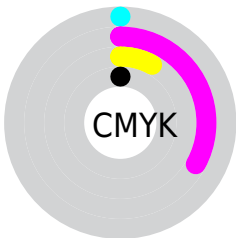
Blue (92%)



Red (100%)

Yellow (67%)

Blue (92%)

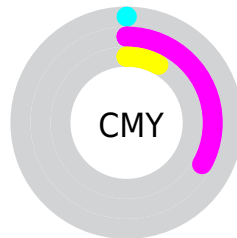


Cyan (0%)

Magenta (33%)

Yellow (8%)

Black (0%)



Cyan (0%)


Magenta (33%)

Yellow (8%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 56.3840, 0.3325, 0.2648 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 56.3840, 0.3325, 0.2648 by changing the saturation by 10% instead.


 56.3840, 0.3325,
0.2648

 56.3840, 0.3325,
0.2648

411.1370, 0.3237,
0.2941

 40.5109, 0.3344,
0.2582

 99.5658, 0.3295,
0.2749

 27.9371, 0.3367,
0.2502


127.6433, 0.3284,
0.2788

 18.2782, 0.3395,
0.2401

160.5577, 0.3273,
0.2822

 11.1499, 0.3431,
0.2272

198.6934, 0.3264,
0.2852

 6.1678, 0.3477,
0.2099

242.4347, 0.3256,
0.2878

 2.9474, 0.3536,
0.1859

292.1662, 0.3249,

 1.1043, 0.3615,

0.2901

348.2722, 0.3243,
0.2922

0.1509

0.0000, 0.4105,
0.0000

0.0000, 0.0000,
0.0000

56.3840, 0.3325,
0.2648

56.3840, 0.3325,
0.2648

47.3182, 0.3404,
0.2456

67.3227, 0.3255,
0.2846

40.0137, 0.3491,
0.2280

80.2288, 0.3194,
0.3044

34.3538, 0.3584,
0.2131

95.1957, 0.3141,
0.3235

30.2053, 0.3681,
0.2018

100.0000, 0.3127,
0.3290

■ 27.4149, 0.3778,
0.1951

■ 25.7961, 0.3873,
0.1932

■ 25.1676, 0.3937,
0.1943

Harmonies

Analogous

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



56.3840, 0.2747, 0.2422



56.3840, 0.3325, 0.2648



56.3840, 0.3894, 0.3014

Triad

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



56.3840, 0.3325, 0.2648



56.3840, 0.3946, 0.4250



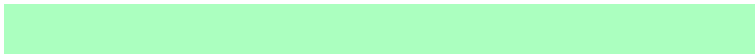
56.3840, 0.2122, 0.2958

Complementary

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



56.3840, 0.3325, 0.2648



83.9402, 0.2977, 0.4033

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.



56.3840, 0.2386, 0.3535



56.3840, 0.3325, 0.2648



56.3840, 0.3429, 0.4353

Square

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



56.3840, 0.3325, 0.2648



56.3840, 0.4257, 0.3901



56.3840, 0.2858, 0.4087



56.3840, 0.2101, 0.2555

Rectangle

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



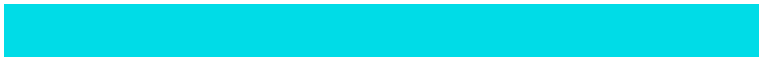
56.3840, 0.3325, 0.2648



56.3840, 0.4164, 0.3304



56.3840, 0.2858, 0.4087



56.3840, 0.2184, 0.3137

Sweetspot

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



56.3854, 0.3325, 0.2648



84.4108, 0.3177, 0.3101



47.3723, 0.2670, 0.2342



17.6347, 0.3185, 0.3074



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.



56.3854, 0.3325, 0.2648



49.7957, 0.3380, 0.2511



54.2556, 0.3690, 0.3058



18.2220, 0.3175, 0.3111



13.1751, 0.3923, 0.1935



1.2998, 0.3824, 0.1880

Inverse Universe

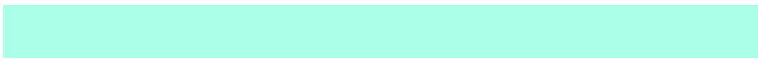
The Inverse Universe completely reimagines the original color for something new.



56.3854, 0.3325, 0.2648



49.7957, 0.3380, 0.2511



86.0388, 0.2765, 0.3539



18.2220, 0.3175, 0.3111



13.1751, 0.3923, 0.1935



1.2998, 0.3824, 0.1880

Previews

White Background



This preview shows how the Yxy color 56.3840, 0.3325, 0.2648 looks on a white background.

Color Contrast Check

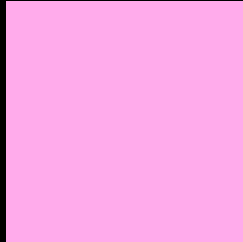
Large Text (above 18pt) WCAG AA × Fail

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 56.3840, 0.3325, 0.2648 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

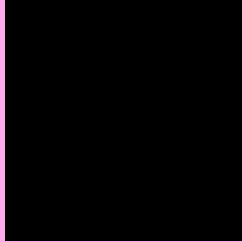
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 56.3840, 0.3325, 0.2648

Background



This preview shows how black text looks on a background with the Yxy color 56.3840, 0.3325, 0.2648.



This preview shows how white text looks on a background with the Yxy color 56.3840, 0.3325, 0.2648.

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

56.3840, 0.3325, 0.2648

Protanopia

56.6985, 0.2670, 0.2652

Deuteranopia

56.4660, 0.2925, 0.2855



Tritanopia

56.4144, 0.3631, 0.3143

Trichromacy



Original Color

56.3840, 0.3325, 0.2648



Protanomaly

55.8961, 0.2881, 0.2641



Deuteranomaly

55.8963, 0.3064, 0.2774



Tritanomaly

56.3002, 0.3523, 0.2958

Monochromacy



Original Color

56.3840, 0.3325, 0.2648



Achromatopsia

59.7202, 0.3127, 0.3290



Achromatomaly

57.6975, 0.3196, 0.3022

CSS Examples

Text

The CSS property to change the color of the text to Yxy 56.3840, 0.3325, 0.2648 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, 171, 235)` looks like.

```
.text, #text, p{  
    color:rgb(255, 171, 235)  
}
```

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, 171, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 171, 235) }
```

Border

The CSS property to change the border of an element to Yxy 56.3840, 0.3325, 0.2648 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, 171, 235) }
```

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

```
.border{ border-color:rgb(255, 171, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 171, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 171, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 171, 235);  
box-shadow:4px 4px 4px 4px rgb(255, 171,  
235) }
```


Background

The CSS property to change the background color of an element to Yxy 56.3840, 0.3325, 0.2648 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 171, 235) }
```

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

```
.background{ background-color: rgb(255,  
171, 235) }
```

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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