

Converting Colors

$Y_{xy}(79.1072, 0.4102, 0.2822)$

Have a look what the booklet for
Yxy(79.1072, 0.4102, 0.2822)
contains.

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Color

Yxy(56.2690, 0.3342, 0.2667)

Conversions

Conversions Part 1

Format	Color
Hex	FFABE9
RGB	255, 171, 233
RGB Percent	100%, 67%, 91%
CMY	0.0000, 0.3294, 0.0864
CMYK	0.00, 0.33, 0.09, 0.00
HSL	316°, 100%, 84%
HSV	316°, 33%, 100%
XYZ	70.5103, 56.2690, 84.2031
YIQ	203.1840, 30.1620, 37.0900

Conversions

Conversions Part 2

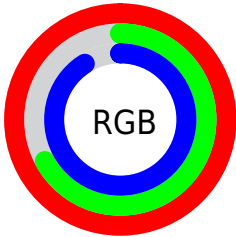
Format	Color
R _Y B	255, 171, 233
Decimal	16755689
CIE Lab	79.77, 39.84, -18.46
CIE LCh	80, 43.911, 335.137
Yxy	56.2690, 0.3342, 0.2667
Android (android.graphics.Color)	4294945769 (0xFFFFABE9)
YUV	203.1840, 14.6993, 45.4426
Hunter-Lab	75.0127, 36.5140, -14.0452

Details

The Yxy color **56.2690, 0.3342, 0.2667** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **84.0308, 0.2966, 0.4008**, and the grayscale version is **59.7321, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.4182, 0.3140, 0.3019**, and **27.7672, 0.3391, 0.2523** is the 20% darker color. If you saturate the color by 10%, you get **47.1709, 0.3429, 0.2480**, and if you desaturate by 10%, it is **67.2383, 0.3265, 0.2860**.

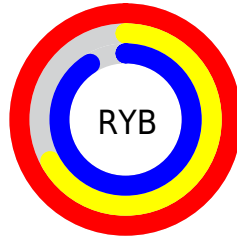
Distribution



Red (100%)

Green (67%)

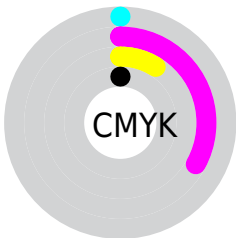
Blue (91%)



Red (100%)

Yellow (67%)

Blue (91%)

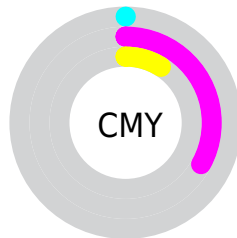


Cyan (0%)

Magenta (33%)

Yellow (9%)

Black (0%)



Cyan (0%)


Magenta (33%)


Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 56.2690, 0.3342, 0.2667 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 56.2690, 0.3342, 0.2667 by changing the saturation by 10% instead.


 56.2690, 0.3342,
0.2667

 56.2690, 0.3342,
0.2667

410.7045, 0.3246,
0.2952

 40.4186, 0.3363,
0.2603


 99.3978, 0.3309,
0.2765

 27.8651, 0.3389,
0.2524


127.4450, 0.3296,
0.2803

 18.2240, 0.3421,
0.2426


160.3266, 0.3285,
0.2837

 11.1109, 0.3462,
0.2299

198.4270, 0.3275,
0.2865

 6.1415, 0.3514,
0.2129

242.1306, 0.3266,
0.2891

 2.9313, 0.3585,
0.1893

291.8218, 0.3259,

 1.0960, 0.3683,

0.2914

0.1545

347.8849, 0.3252,
0.2934

0.0000, 0.4239,
0.0000

0.0000, 0.0000,
0.0000

56.2690, 0.3342,
0.2667

56.2690, 0.3342,
0.2667

47.1709, 0.3429,
0.2480

67.2383, 0.3265,
0.2860

39.8388, 0.3525,
0.2309

80.1797, 0.3199,
0.3052

34.1536, 0.3628,
0.2163

95.1844, 0.3142,
0.3237

29.9823, 0.3737,
0.2054

100.0000, 0.3127,
0.3290

■ 27.1714, 0.3846,
0.1991

■ 25.5344, 0.3953,
0.1977

■ 24.8944, 0.4026,
0.1992

Harmonies

Analogous

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



56.2690, 0.2770, 0.2439



56.2690, 0.3342, 0.2667



56.2690, 0.3898, 0.3032

Triad

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



56.2690, 0.3342, 0.2667



56.2690, 0.3920, 0.4244



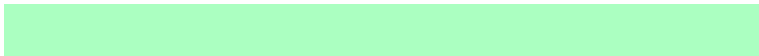
56.2690, 0.2132, 0.2948

Complementary

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



56.2690, 0.3342, 0.2667



84.0308, 0.2966, 0.4008

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.



56.2690, 0.2385, 0.3512



56.2690, 0.3342, 0.2667



56.2690, 0.3407, 0.4333

Square

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



56.2690, 0.3342, 0.2667



56.2690, 0.4235, 0.3907



56.2690, 0.2845, 0.4059



56.2690, 0.2119, 0.2557

Rectangle

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



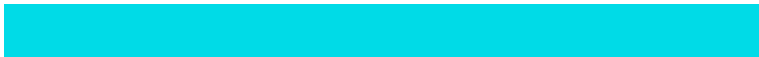
56.2690, 0.3342, 0.2667



56.2690, 0.4157, 0.3320



56.2690, 0.2845, 0.4059



56.2690, 0.2190, 0.3123

Sweetspot

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



56.2683, 0.3342, 0.2667



84.3722, 0.3181, 0.3107



47.5544, 0.2680, 0.2345



17.6253, 0.3190, 0.3081



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.



56.2683, 0.3342, 0.2667



49.6569, 0.3402, 0.2534



54.1934, 0.3703, 0.3072



18.2142, 0.3178, 0.3116



13.0337, 0.4010, 0.1982



1.2870, 0.3897, 0.1921

Inverse Universe

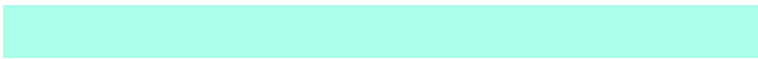
The Inverse Universe completely reimagines the original color for something new.



56.2683, 0.3342, 0.2667



49.6569, 0.3402, 0.2534



86.1190, 0.2758, 0.3523



18.2142, 0.3178, 0.3116



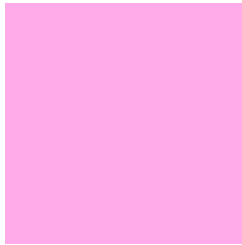
13.0337, 0.4010, 0.1982



1.2870, 0.3897, 0.1921

Previews

White Background



This preview shows how the Yxy color 56.2690, 0.3342, 0.2667 looks on a white background.

Color Contrast Check

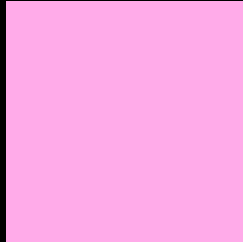
Large Text (above 18pt) WCAG AA × Fail

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 56.2690, 0.3342, 0.2667 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

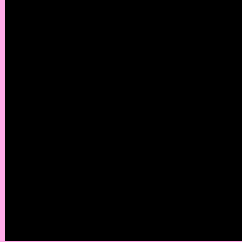
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 56.2690, 0.3342, 0.2667

Background



This preview shows how black text looks on a background with the Yxy color 56.2690, 0.3342, 0.2667.



This preview shows how white text looks on a background with the Yxy color 56.2690, 0.3342, 0.2667.

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

56.2690, 0.3342, 0.2667

Protanopia

56.6963, 0.2688, 0.2673

Deuteranopia

56.4936, 0.2946, 0.2878



Tritanopia

56.3700, 0.3640, 0.3154

Trichromacy



Original Color

56.2690, 0.3342, 0.2667



Protanomaly

55.7739, 0.2895, 0.2661



Deuteranomaly

55.9407, 0.3086, 0.2796



Tritanomaly

56.2511, 0.3531, 0.2968

Monochromacy



Original Color

56.2690, 0.3342, 0.2667



Achromatopsia

59.7202, 0.3127, 0.3290



Achromatomaly

57.6462, 0.3204, 0.3033

CSS Examples

Text

The CSS property to change the color of the text to Yxy 56.2690, 0.3342, 0.2667 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, 233)` looks like.

```
.text, #text, p{  
    color:rgb(255, 171, 233)  
}
```

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, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 171, 233) }
```

Border

The CSS property to change the border of an element to Yxy 56.2690, 0.3342, 0.2667 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, 233) }
```

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

```
.border{ border-color:rgb(255, 171, 233) }
```

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, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 171, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 171, 233);  
box-shadow:4px 4px 4px 4px rgb(255, 171,  
233) }
```


Background

The CSS property to change the background color of an element to Yxy 56.2690, 0.3342, 0.2667 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, 233) }
```

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

```
.background{ background-color: rgb(255,  
171, 233) }
```

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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