

Converting Colors

$Y_{xy}(56.7056, 0.3332, 0.2667)$

Have a look what the booklet for
Yxy(56.7056, 0.3332, 0.2667)
contains.

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Color

Yxy(56.7056, 0.3332, 0.2667)

Conversions

Conversions Part 1

Format	Color
Hex	FFACEA
RGB	255, 172, 234
RGB Percent	100%, 67%, 92%
CMY	0.0000, 0.3255, 0.0823
CMYK	0.00, 0.33, 0.08, 0.00
HSL	315°, 100%, 84%
HSV	315°, 33%, 100%
XYZ	70.8448, 56.7056, 85.0690
YIQ	203.8850, 29.5660, 36.8780

Conversions

Conversions Part 2

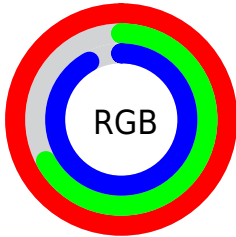
Format	Color
R _Y B	255, 172, 234
Decimal	16755946
CIE Lab	80.01, 39.49, -18.66
CIE LCh	80, 43.679, 334.704
Yxy	56.7056, 0.3332, 0.2667
Android (android.graphics.Color)	4294946026 (0xFFFFACEA)
YUV	203.8850, 14.8467, 44.8279
Hunter-Lab	75.3031, 36.1514, -14.2670

Details

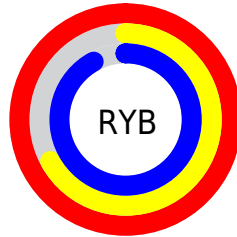
The Yxy color **56.7056, 0.3332, 0.2667** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **84.1380, 0.2972, 0.4008**, and the grayscale version is **60.1998, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.9668, 0.3139, 0.3029**, and **28.0415, 0.3378, 0.2523** is the 20% darker color. If you saturate the color by 10%, you get **47.5513, 0.3415, 0.2478**, and if you desaturate by 10%, it is **67.7406, 0.3258, 0.2862**.

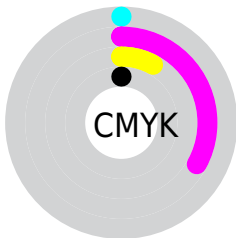
Distribution



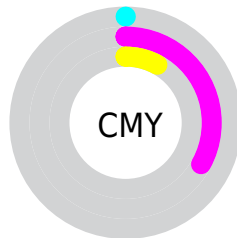
- Red (100%)
- Green (67%)
- Blue (92%)



- 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 56.7056, 0.3332, 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 56.7056, 0.3332, 0.2667 by changing the saturation by 10% instead.


 56.7056, 0.3332,
0.2667

 56.7056, 0.3332,
0.2667


412.3452, 0.3241,
0.2951

 40.7689, 0.3352,
0.2603


 100.0355, 0.3301,
0.2765

 28.1386, 0.3376,
0.2525


128.1975, 0.3289,
0.2803

 18.4301, 0.3406,
0.2427


161.2034, 0.3278,
0.2836

 11.2592, 0.3444,
0.2300

199.4376, 0.3269,
0.2865

 6.2415, 0.3493,
0.2132

243.2845, 0.3260,
0.2891

 2.9925, 0.3559,
0.1897


293.1285, 0.3253,

 1.1278, 0.3648,


0.2913


0.1552


349.3539, 0.3246,
0.2933

 0.0015, 0.4185,
0.0007


 0.0000, 0.0000,
0.0000

 56.7056, 0.3332,
0.2667


 56.7056, 0.3332,
0.2667


 47.5513, 0.3415,
0.2478


 67.7406, 0.3258,
0.2862

 40.1631, 0.3507,
0.2304

 80.7470, 0.3195,
0.3056

 34.4255, 0.3607,
0.2155

 95.8191, 0.3140,
0.3244

 30.2065, 0.3710,
0.2043

99.9992, 0.3127,
0.3290

■ 27.3534, 0.3815,
0.1976

■ 25.6815, 0.3917,
0.1958

■ 25.0011, 0.3990,
0.1972

Harmonies

Analogous

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



56.7056, 0.2765, 0.2442



56.7056, 0.3332, 0.2667



56.7056, 0.3885, 0.3028

Triad

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



56.7056, 0.3332, 0.2667



56.7056, 0.3921, 0.4234



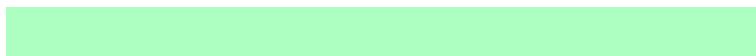
56.7056, 0.2141, 0.2958

Complementary

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



56.7056, 0.3332, 0.2667



84.1380, 0.2972, 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.



56.7056, 0.2396, 0.3519



56.7056, 0.3332, 0.2667



56.7056, 0.3413, 0.4325

Square

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



56.7056, 0.3332, 0.2667



56.7056, 0.4229, 0.3898



56.7056, 0.2855, 0.4058



56.7056, 0.2124, 0.2567

Rectangle

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



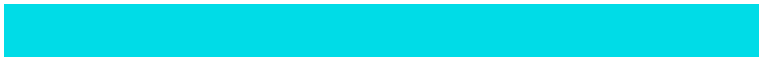
56.7056, 0.3332, 0.2667



56.7056, 0.4145, 0.3314



56.7056, 0.2855, 0.4058



56.7056, 0.2200, 0.3132

Sweetspot

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



56.7082, 0.3332, 0.2667



84.3876, 0.3180, 0.3105



48.0319, 0.2686, 0.2357



17.6290, 0.3188, 0.3078



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.



56.7082, 0.3332, 0.2667



50.5918, 0.3385, 0.2544



54.6056, 0.3693, 0.3075



18.2173, 0.3177, 0.3114



13.0894, 0.3975, 0.1963



1.2921, 0.3868, 0.1904

Inverse Universe

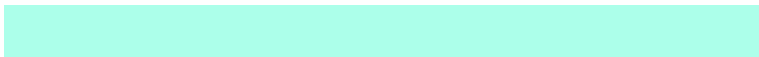
The Inverse Universe completely reimagines the original color for something new.



56.7082, 0.3332, 0.2667



50.5918, 0.3385, 0.2544



86.2435, 0.2761, 0.3520



18.2173, 0.3177, 0.3114



13.0894, 0.3975, 0.1963



1.2921, 0.3868, 0.1904

Previews

White Background



This preview shows how the Yxy color 56.7056, 0.3332, 0.2667 looks on a white background.

Color Contrast Check

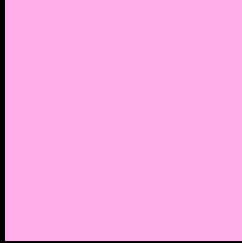
Large Text (above 18pt) WCAG AA × Fail

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 56.7056, 0.3332, 0.2667 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

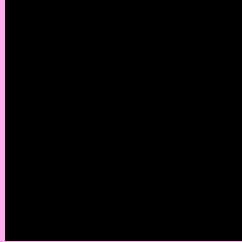
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 56.7056, 0.3332, 0.2667

Background



This preview shows how black text looks on a background with the Yxy color 56.7056, 0.3332, 0.2667.



This preview shows how white text looks on a background with the Yxy color 56.7056, 0.3332, 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

56.7056, 0.3332, 0.2667

Protanopia

57.2118, 0.2683, 0.2675

Deuteranopia

56.9933, 0.2940, 0.2879



Tritanopia

56.8168, 0.3628, 0.3154

Trichromacy



Original Color

56.7056, 0.3332, 0.2667



Protanomaly

56.2606, 0.2888, 0.2662



Deuteranomaly

56.4169, 0.3079, 0.2796



Tritanomaly

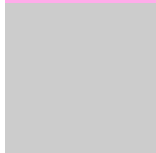
56.6938, 0.3521, 0.2968

Monochromacy



Original Color

56.7056, 0.3332, 0.2667



Achromatopsia

60.3827, 0.3127, 0.3290



Achromatomaly

58.2935, 0.3203, 0.3034

CSS Examples

Text

The CSS property to change the color of the text to Yxy 56.7056, 0.3332, 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, 172, 234)` looks like.

```
.text, #text, p{  
    color:rgb(255, 172, 234)  
}
```

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, 172, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 172, 234) }
```

Border

The CSS property to change the border of an element to Yxy 56.7056, 0.3332, 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, 172, 234) }
```

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

```
.border{ border-color:rgb(255, 172, 234) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 172, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 172, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 172, 234);  
box-shadow:4px 4px 4px 4px rgb(255, 172,  
234) }
```


Background

The CSS property to change the background color of an element to Yxy 56.7056, 0.3332, 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, 172, 234) }
```

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

```
.background{ background-color: rgb(255,  
172, 234) }
```

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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