

Converting Colors

$Yxy(68.1715, 0.3057, 0.2753)$

Have a look what the booklet for
Yxy(68.1715, 0.3057, 0.2753)
contains.

Yxy(68.3383, 0.3057, 0.2756)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(68.3383, 0.3057, 0.2756)

Conversions

Conversions Part 1

Format	Color
Hex	F2CAFF
RGB	242, 202, 255
RGB Percent	95%, 79%, 100%
CMY	0.0508, 0.2079, 0.0000
CMYK	0.05, 0.21, 0.00, 0.00
HSL	285°, 100%, 90%
HSV	285°, 21%, 100%
XYZ	75.8020, 68.3383, 103.8216
YIQ	220.0020, 6.8270, 24.9630

Conversions

Conversions Part 2

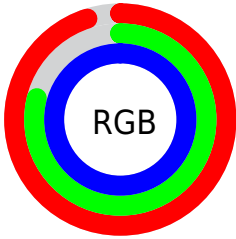
Format	Color
R _Y B	242, 202, 255
Decimal	15911679
CIE Lab	86.18, 23.27, -20.69
CIE LCh	86, 31.135, 318.360
Yxy	68.3383, 0.3057, 0.2756
Android (android.graphics.Color)	4294101759 (0xFFFF2CAFF)
YUV	220.0020, 17.2540, 19.2922
Hunter-Lab	82.6670, 19.0094, -16.5956

Details

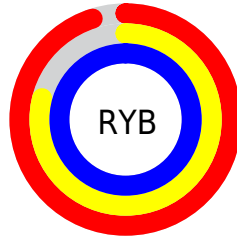
The Yxy color **68.3383, 0.3057, 0.2756** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **90.2221, 0.3180, 0.3855**, and the grayscale version is **71.4484, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **35.5713, 0.3033, 0.2645** is the 20% darker color. If you saturate the color by 10%, you get **56.2625, 0.3013, 0.2486**, and if you desaturate by 10%, it is **82.4316, 0.3094, 0.3020**.

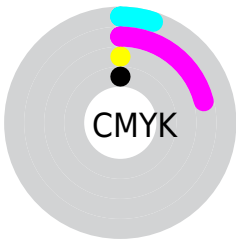
Distribution



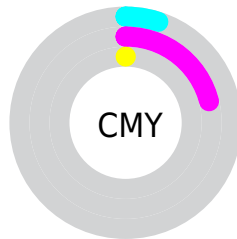
- Red (95%)
- Green (79%)
- Blue (100%)



- Red (95%)
- Yellow (79%)
- Blue (100%)



- Cyan (5%)
- Magenta (21%)
- Yellow (0%)
- Black (0%)





- Cyan (5%)
- Magenta (21%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 68.3383, 0.3057, 0.2756 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 68.3383, 0.3057, 0.2756 by changing the saturation by 10% instead.


 68.3383, 0.3057,
0.2756

 68.3383, 0.3057,
0.2756

454.6937, 0.3094,
0.2995

 50.1730, 0.3048,
0.2703

116.8360, 0.3070,
0.2837

 35.5509, 0.3036,
0.2639


147.9371, 0.3075,
0.2870

 24.0875, 0.3020,
0.2559


184.1191, 0.3080,
0.2897

 15.3986, 0.2999,
0.2458

225.7661, 0.3083,
0.2922

 9.0996, 0.2968,
0.2324

273.2627, 0.3086,
0.2943

 4.8062, 0.2920,
0.2141

326.9933, 0.3089,

 2.1340, 0.2839,

0.2963

0.1876

387.3421, 0.3092,
0.2980

0.6836, 0.2691,
0.1441

0.0000, 0.1438,
0.0000

68.3383, 0.3057,
0.2756

68.3383, 0.3057,
0.2756

56.2625, 0.3013,
0.2486

82.4316, 0.3094,
0.3020

46.1024, 0.2963,
0.2217

98.6289, 0.3125,
0.3271

37.7539, 0.2906,
0.1959

100.0000, 0.3127,
0.3290

31.1012, 0.2843,
0.1725

■ 26.0144, 0.2778,
0.1526

■ 22.3451, 0.2711,
0.1369

■ 19.9151, 0.2645,
0.1261

■ 18.5153, 0.2586,
0.1198

Harmonies

Analogous

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



68.3383, 0.2708, 0.2667



68.3383, 0.3057, 0.2756



68.3383, 0.3446, 0.2966

Triad

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



68.3383, 0.3057, 0.2756



68.3383, 0.3804, 0.3835



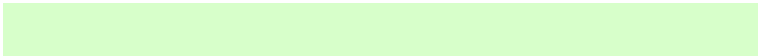
68.3383, 0.2528, 0.3276

Complementary

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



68.3383, 0.3057, 0.2756



90.2221, 0.3180, 0.3855

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.



68.3383, 0.2794, 0.3646



68.3383, 0.3057, 0.2756



68.3383, 0.3531, 0.3974

Square

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



68.3383, 0.3057, 0.2756



68.3383, 0.3892, 0.3568



68.3383, 0.3160, 0.3912



68.3383, 0.2418, 0.2939

Rectangle

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



68.3383, 0.3057, 0.2756



68.3383, 0.3671, 0.3153



68.3383, 0.3160, 0.3912



68.3383, 0.2601, 0.3402

Sweetspot

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



68.3397, 0.3057, 0.2756



89.9214, 0.3110, 0.3142



68.4978, 0.2787, 0.2859



19.0221, 0.3108, 0.3126



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.



68.3397, 0.3057, 0.2756



63.0146, 0.3040, 0.2643



69.8903, 0.3245, 0.2895



18.0637, 0.3099, 0.3053



9.7479, 0.2596, 0.1204



0.9998, 0.2669, 0.1244

Inverse Universe

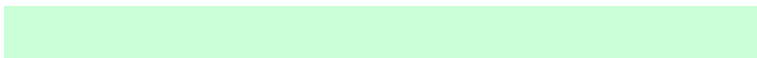
The Inverse Universe completely reimagines the original color for something new.



68.3981, 0.3446, 0.3159



63.1274, 0.3529, 0.3131



88.9933, 0.3027, 0.3720



18.0599, 0.3256, 0.3232



11.3120, 0.5953, 0.3053



1.1178, 0.5640, 0.2880

Previews

White Background



This preview shows how the Yxy color 68.3383, 0.3057, 0.2756 looks on a white background.

Color Contrast Check

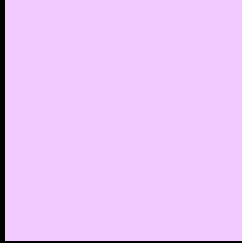
Large Text (above 18pt) WCAG AA × Fail

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 68.3383, 0.3057, 0.2756 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

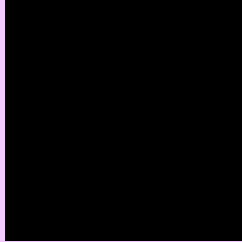
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 68.3383, 0.3057, 0.2756

Background



This preview shows how black text looks on a background with the Yxy color 68.3383, 0.3057, 0.2756.

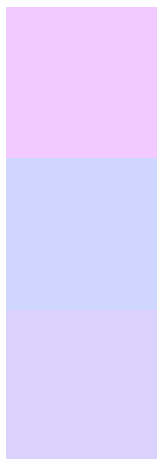


This preview shows how white text looks on a background with the Yxy color 68.3383, 0.3057, 0.2756.

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

68.3383, 0.3057, 0.2756

Protanopia

68.5785, 0.2818, 0.2849

Deuteranopia

68.7404, 0.2909, 0.2847



Tritanopia

68.4981, 0.3233, 0.3122

Trichromacy



Original Color

68.3383, 0.3057, 0.2756

Protanomaly

68.5288, 0.2903, 0.2817

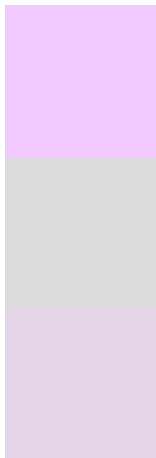
Deuteranomaly

68.5984, 0.2957, 0.2812

Tritanomaly

68.4915, 0.3171, 0.2989

Monochromacy



Original Color

68.3383, 0.3057, 0.2756

Achromatopsia

71.5694, 0.3127, 0.3290

Achromatomaly

69.9657, 0.3101, 0.3078

CSS Examples

Text

The CSS property to change the color of the text to Yxy 68.3383, 0.3057, 0.2756 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(242, 202, 255)` looks like.

```
.text, #text, p{  
    color:rgb(242, 202, 255)  
}
```

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(242, 202, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 202, 255) }
```

Border

The CSS property to change the border of an element to Yxy 68.3383, 0.3057, 0.2756 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(242, 202, 255) }
```

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

```
.border{ border-color:rgb(242, 202, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(242, 202, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 202, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 202, 255);  
box-shadow:4px 4px 4px 4px rgb(242, 202,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 68.3383, 0.3057, 0.2756 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 202, 255) }
```

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

```
.background{ background-color: rgb(242,  
202, 255) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor