

Converting Colors

$Yxy(76.8207, 0.3085, 0.2933)$

Have a look what the booklet for
Yxy(76.8207, 0.3085, 0.2933)
contains.

| | |
|------------------------------------------------|----|
| Yxy(76.8914, 0.3088, 0.2933) | 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(76.8914, 0.3088, 0.2933)

Conversions

Conversions Part 1

| Format | Color |
|-------------|----------------------------|
| Hex | F6DAFE |
| RGB | 246, 218, 254 |
| RGB Percent | 96%, 85%, 100% |
| CMY | 0.0354, 0.1450, 0.0040 |
| CMYK | 0.03, 0.14, 0.00, 0.00 |
| HSL | 287°, 95%, 93% |
| HSV | 287°, 14%, 100% |
| XYZ | 80.9549, 76.8914, 104.3133 |
| YIQ | 230.4760, 5.1320, 17.1320 |

Conversions

Conversions Part 2

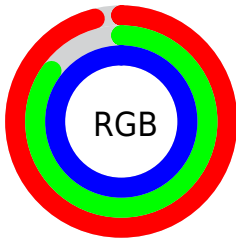
| Format | Color |
|-------------------------------------|-------------------------------|
| R _Y B | 246, 218, 254 |
| Decimal | 16177918 |
| CIE Lab | 90.27, 15.89, -13.94 |
| CIE LCh | 90, 21.134, 318.748 |
| Yxy | 76.8914, 0.3088, 0.2933 |
| Android (android.graphics.Color) | 4294367998 (0xFFFF6DAFE) |
| YUV | 230.4760, 11.5973, 13.6145 |
| Hunter-Lab | 87.6877, 11.3408, -9.1499 |

Details

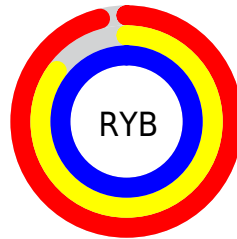
The Yxy color $76.8914, 0.3088, 0.2933$ is a light color, and the websafe version is hex FFCCFF . A complement of this color would be $92.0983, 0.3160, 0.3662$, and the grayscale version is $79.4102, 0.3127, 0.3290$.

A 20% lighter version of the original color is $100.0000, 0.3127, 0.3290$, and $41.1728, 0.3084, 0.2859$ is the 20% darker color. If you saturate the color by 10%, you get $63.7090, 0.3053, 0.2668$, and if you desaturate by 10%, it is $92.1296, 0.3117, 0.3188$.

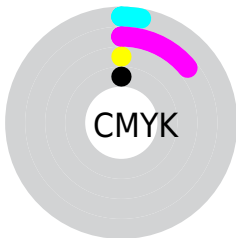
Distribution



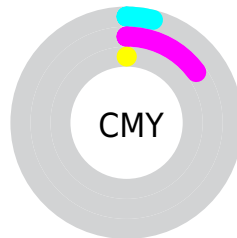
- Red (96%)
- Green (85%)
- Blue (100%)



- Red (96%)
- Yellow (85%)
- Blue (100%)



- Cyan (3%)
- Magenta (14%)
- Yellow (0%)
- Black (0%)





- Cyan (4%)
- Magenta (15%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 76.8914, 0.3088, 0.2933 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 76.8914, 0.3088, 0.2933 by changing the saturation by 10% instead.

 76.8914, 0.3088,
0.2933

 76.8914, 0.3088,
0.2933


484.3937, 0.3108,
0.3092

 57.1637, 0.3083,
0.2898


128.9862, 0.3095,
0.2987

 41.1367, 0.3077,
0.2856


162.1221, 0.3098,
0.3008

 28.4259, 0.3069,
0.2803


200.4962, 0.3100,
0.3027

 18.6470, 0.3058,
0.2735

244.4929, 0.3102,
0.3043

 11.4155, 0.3043,
0.2647

294.4966, 0.3104,
0.3058

 6.3470, 0.3020,
0.2525

350.8917, 0.3105,

 3.0572, 0.2982,

0.3070

0.2347

414.0626, 0.3107,
0.3082

■ 1.1617, 0.2909,
0.2064

■ 0.0301, 0.2864,
0.0207

■ 76.8914, 0.3088,
0.2933

■ 76.8914, 0.3088,
0.2933

■ 63.7090, 0.3053,
0.2668

■ 92.1296, 0.3117,
0.3188

■ 52.4807, 0.3012,
0.2399

99.9338, 0.3133,
0.3300

■ 43.1109, 0.2965,
0.2136

■ 35.4919, 0.2912,
0.1889

■ 29.5049, 0.2855,
0.1669

■ 25.0162, 0.2795,
0.1488

■ 21.8704, 0.2734,
0.1352

■ 19.8774, 0.2675,
0.1264

■ 19.0880, 0.2641,
0.1228

Harmonies

Analogous

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



76.8914, 0.2855, 0.2874



76.8914, 0.3088, 0.2933



76.8914, 0.3340, 0.3077

Triad

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



76.8914, 0.3088, 0.2933



76.8914, 0.3569, 0.3655



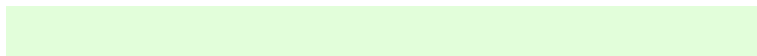
76.8914, 0.2729, 0.3283

Complementary

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



76.8914, 0.3088, 0.2933



92.0983, 0.3160, 0.3662

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.



76.8914, 0.2908, 0.3516



76.8914, 0.3088, 0.2933



76.8914, 0.3393, 0.3734

Square

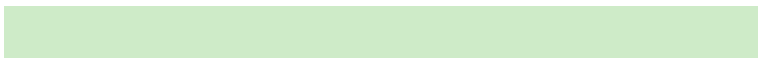
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



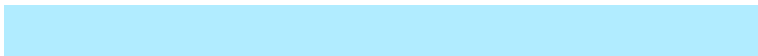
76.8914, 0.3088, 0.2933



76.8914, 0.3624, 0.3485



76.8914, 0.3150, 0.3685



76.8914, 0.2654, 0.3064

Rectangle

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



76.8914, 0.3088, 0.2933



76.8914, 0.3483, 0.3206



76.8914, 0.3150, 0.3685



76.8914, 0.2779, 0.3363

Sweetspot

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



76.8947, 0.3088, 0.2933



93.2361, 0.3117, 0.3192



76.6772, 0.2902, 0.3002



19.6924, 0.3115, 0.3173



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.



76.8947, 0.3088, 0.2933



73.6089, 0.3079, 0.2858



77.7730, 0.3208, 0.3030



18.0846, 0.3102, 0.3053



10.1346, 0.2650, 0.1234



1.0345, 0.2717, 0.1270

Inverse Universe

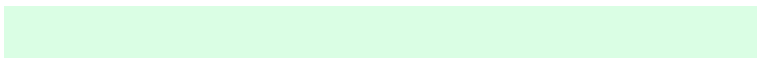
The Inverse Universe completely reimagines the original color for something new.



76.7100, 0.3334, 0.3210



73.4083, 0.3384, 0.3193



91.3519, 0.3055, 0.3565



18.0532, 0.3259, 0.3237



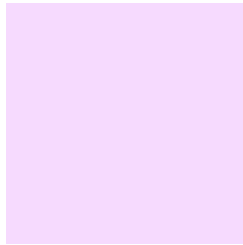
11.2799, 0.6018, 0.3089



1.1138, 0.5711, 0.2920

Previews

White Background



This preview shows how the Yxy color 76.8914, 0.3088, 0.2933 looks on a white background.

Color Contrast Check

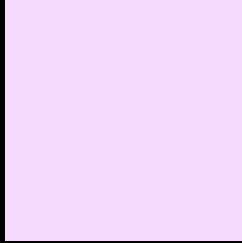
Large Text (above 18pt) WCAG AA × Fail

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 76.8914, 0.3088, 0.2933 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

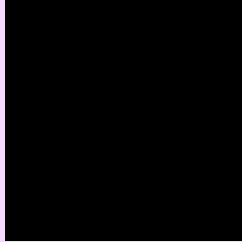
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

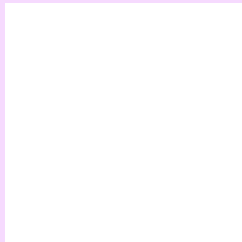
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 76.8914, 0.3088, 0.2933

Background



This preview shows how black text looks on a background with the Yxy color 76.8914, 0.3088, 0.2933.

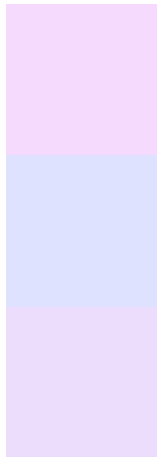


This preview shows how white text looks on a background with the Yxy color 76.8914, 0.3088, 0.2933.

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

76.8914, 0.3088, 0.2933

Protanopia

77.3007, 0.2927, 0.2990

Deuteranopia

76.8093, 0.3032, 0.2966



Tritanopia

77.1190, 0.3178, 0.3118

Trichromacy



Original Color

76.8914, 0.3088, 0.2933

Protanomaly

76.9843, 0.2979, 0.2964

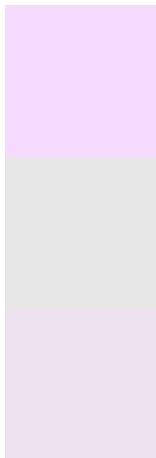
Deuteranomaly

76.8035, 0.3053, 0.2958

Tritanomaly

77.1305, 0.3146, 0.3049

Monochromacy



Original Color

76.8914, 0.3088, 0.2933

Achromatopsia

79.1298, 0.3127, 0.3290

Achromatomaly

78.4576, 0.3113, 0.3157

CSS Examples

Text

The CSS property to change the color of the text to Yxy 76.8914, 0.3088, 0.2933 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(246, 218, 254)` looks like.

```
.text, #text, p{  
    color:rgb(246, 218, 254)  
}
```

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(246, 218, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(246, 218, 254) }
```

Border

The CSS property to change the border of an element to Yxy 76.8914, 0.3088, 0.2933 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(246, 218, 254) }
```

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

```
.border{ border-color:rgb(246, 218, 254) }
```

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

Here you see how a box with a 4 pixel `rgb(246, 218, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(246, 218, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(246, 218, 254);  
box-shadow:4px 4px 4px 4px rgb(246, 218,  
254) }
```


Background

The CSS property to change the background color of an element to Yxy 76.8914, 0.3088, 0.2933 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(246, 218, 254) }
```

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

```
.background{ background-color: rgb(246,  
218, 254) }
```

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