

Converting Colors

$Yxy(77.2918, 0.3048, 0.2873)$

Have a look what the booklet for
Yxy(77.2918, 0.3048, 0.2873)
contains.

Yxy(76.9556, 0.3082, 0.2923)	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(76.9556, 0.3082, 0.2923)

Conversions

Conversions Part 1

Format	Color
Hex	F6DAFF
RGB	246, 218, 255
RGB Percent	96%, 85%, 100%
CMY	0.0351, 0.1452, 0.0000
CMYK	0.04, 0.15, 0.00, 0.00
HSL	286°, 100%, 93%
HSV	286°, 15%, 100%
XYZ	81.1417, 76.9556, 105.1788
YIQ	230.5900, 4.8110, 17.4430

Conversions

Conversions Part 2

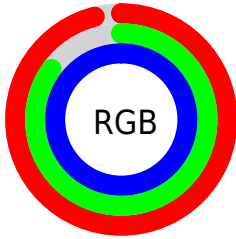
Format	Color
R _Y B	246, 218, 255
Decimal	16177919
CIE Lab	90.30, 16.13, -14.43
CIE LCh	90, 21.638, 318.181
Yxy	76.9556, 0.3082, 0.2923
Android (android.graphics.Color)	4294367999 (0xFFFF6DAFF)
YUV	230.5900, 12.0341, 13.5146
Hunter-Lab	87.7243, 11.5881, -9.6799

Details

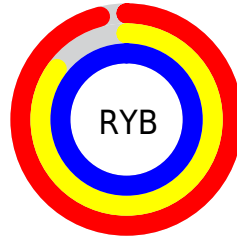
The Yxy color $76.9556, 0.3082, 0.2923$ is a light color, and the websafe version is hex `FFCCFF`. A complement of this color would be $92.8952, 0.3165, 0.3672$, and the grayscale version is $79.5032, 0.3127, 0.3290$.

A 20% lighter version of the original color is $100.0000, 0.3127, 0.3290$, and $41.2188, 0.3075, 0.2847$ is the 20% darker color. If you saturate the color by 10%, you get $63.6415, 0.3043, 0.2656$, and if you desaturate by 10%, it is $92.3475, 0.3114, 0.3179$.

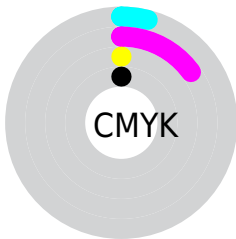
Distribution



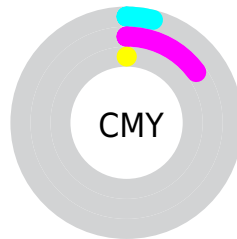
- Red (96%)
- Green (85%)
- Blue (100%)



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



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




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

Brightness & Saturation Gradients


These gradients show how the Yxy color 76.9556, 0.3082, 0.2923 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 76.9556, 0.3082, 0.2923 by changing the saturation by 10% instead.


 76.9556, 0.3082,
0.2923

 76.9556, 0.3082,
0.2923

484.6126, 0.3105,
0.3086

 57.2164, 0.3077,
0.2887

129.0768, 0.3090,
0.2979

 41.1790, 0.3070,
0.2844


162.2276, 0.3093,
0.3000

 28.4590, 0.3061,
0.2789


200.6178, 0.3096,
0.3019

 18.6720, 0.3049,
0.2720

244.6317, 0.3098,
0.3036

 11.4335, 0.3031,
0.2630

294.6538, 0.3100,
0.3051

 6.3592, 0.3006,
0.2505

351.0683, 0.3102,

 3.0647, 0.2964,

0.3064

0.2323

414.2598, 0.3103,
0.3076

■ 1.1656, 0.2885,
0.2037

■ 0.0333, 0.2824,
0.0221

■ 76.9556, 0.3082,
0.2923

■ 76.9556, 0.3082,
0.2923

■ 63.6415, 0.3043,
0.2656

■ 92.3475, 0.3114,
0.3179

■ 52.3024, 0.2997,
0.2385

99.9996, 0.3127,
0.3290

■ 42.8411, 0.2945,
0.2120

■ 35.1487, 0.2887,
0.1870

■ 29.1046, 0.2824,
0.1649

■ 24.5729, 0.2758,
0.1465

■ 21.3956, 0.2692,
0.1327

■ 19.3789, 0.2628,
0.1236

■ 18.6148, 0.2593,
0.1202

Harmonies

Analogous

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



76.9556, 0.2845, 0.2865



76.9556, 0.3082, 0.2923



76.9556, 0.3341, 0.3069

Triad

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



76.9556, 0.3082, 0.2923



76.9556, 0.3581, 0.3661



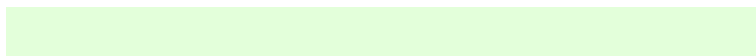
76.9556, 0.2723, 0.3287

Complementary

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



76.9556, 0.3082, 0.2923



92.8952, 0.3165, 0.3672

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.



76.9556, 0.2907, 0.3526



76.9556, 0.3082, 0.2923



76.9556, 0.3403, 0.3744

Square

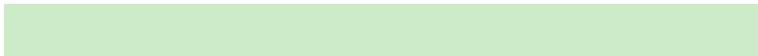
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



76.9556, 0.3082, 0.2923



76.9556, 0.3636, 0.3485



76.9556, 0.3156, 0.3697



76.9556, 0.2644, 0.3062

Rectangle

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



76.9556, 0.3082, 0.2923



76.9556, 0.3488, 0.3200



76.9556, 0.3156, 0.3697



76.9556, 0.2774, 0.3369

Sweetspot

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



76.9589, 0.3082, 0.2923



93.1999, 0.3116, 0.3192



77.1913, 0.2896, 0.3001



19.6832, 0.3114, 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.



76.9589, 0.3082, 0.2923



73.4612, 0.3073, 0.2857



78.0324, 0.3206, 0.3017



18.0665, 0.3099, 0.3053



9.7998, 0.2603, 0.1208



1.0045, 0.2675, 0.1247

Inverse Universe

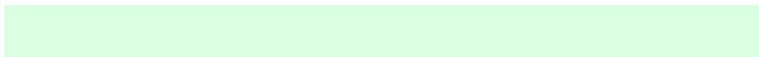
The Inverse Universe completely reimagines the original color for something new.



76.9360, 0.3335, 0.3201



73.4522, 0.3378, 0.3185



91.9786, 0.3057, 0.3579



18.0590, 0.3256, 0.3233



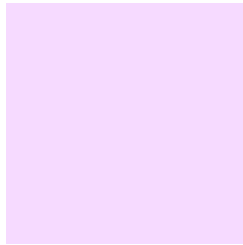
11.3074, 0.5962, 0.3058



1.1172, 0.5650, 0.2886

Previews

White Background



This preview shows how the Yxy color 76.9556, 0.3082, 0.2923 looks on a white background.

Color Contrast Check

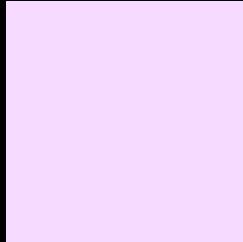
Large Text (above 18pt) WCAG AA × Fail

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 76.9556, 0.3082, 0.2923 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

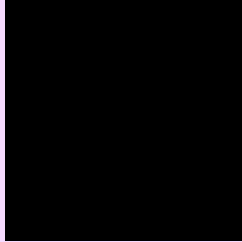
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

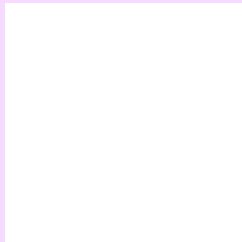
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 76.9556, 0.3082, 0.2923

Background



This preview shows how black text looks on a background with the Yxy color 76.9556, 0.3082, 0.2923.



This preview shows how white text looks on a background with the Yxy color 76.9556, 0.3082, 0.2923.

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





Tritanopia

77.1190, 0.3178, 0.3118

Trichromacy



Original Color

76.9556, 0.3082, 0.2923

Protanomaly

76.9843, 0.2979, 0.2964

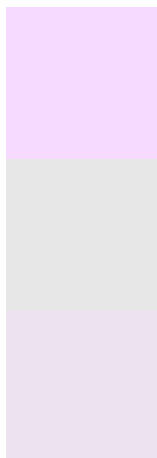
Deuteranomaly

76.8674, 0.3046, 0.2948

Tritanomaly

77.1305, 0.3146, 0.3049

Monochromacy



Original Color

76.9556, 0.3082, 0.2923

Achromatopsia

79.9103, 0.3127, 0.3290

Achromatomaly

78.5169, 0.3106, 0.3146

CSS Examples

Text

The CSS property to change the color of the text to Yxy 76.9556, 0.3082, 0.2923 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, 255)` looks like.

```
.text, #text, p{  
    color:rgb(246, 218, 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(246, 218, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(246, 218, 255) }
```

Border

The CSS property to change the border of an element to Yxy 76.9556, 0.3082, 0.2923 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, 255) }
```

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

```
.border{ border-color:rgb(246, 218, 255) }
```

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, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(246, 218, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(246, 218, 255);  
box-shadow:4px 4px 4px 4px rgb(246, 218,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 76.9556, 0.3082, 0.2923 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, 255) }
```

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

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