

Converting Colors

$Y_{xy}(76.7603, 0.3054, 0.2930)$

Have a look what the booklet for
Yxy(76.7603, 0.3054, 0.2930)
contains.

Yxy(76.7603, 0.3054, 0.2930)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(76.7603, 0.3054, 0.2930)

Conversions

Conversions Part 1

Format	Color
Hex	F2DBFF
RGB	242, 219, 255
RGB Percent	95%, 86%, 100%
CMY	0.0508, 0.1412, 0.0000
CMYK	0.05, 0.14, 0.00, 0.00
HSL	278°, 100%, 93%
HSV	278°, 14%, 100%
XYZ	80.0089, 76.7603, 105.2114
YIQ	229.9810, 2.1520, 16.0720

Conversions

Conversions Part 2

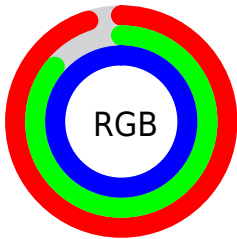
Format	Color
R _Y B	242, 219, 255
Decimal	15916031
CIE _{Lab}	90.21, 14.30, -14.60
CIE _{LCh}	90, 20.436, 314.390
Y _{xy}	76.7603, 0.3054, 0.2930
Android (android.graphics.Color)	4294106111 (0xFFFF2DBFF)
Y _{UV}	229.9810, 12.3344, 10.5407
Hunter-Lab	87.6130, 9.6850, -9.8703

Details

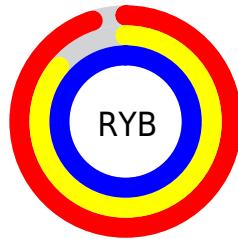
The Yxy color **76.7603, 0.3054, 0.2930** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **93.7828, 0.3191, 0.3658**, and the grayscale version is **79.0262, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **41.0672, 0.3039, 0.2855** is the 20% darker color. If you saturate the color by 10%, you get **62.8776, 0.2991, 0.2657**, and if you desaturate by 10%, it is **92.7682, 0.3108, 0.3189**.

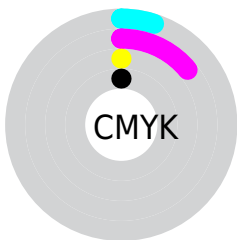
Distribution



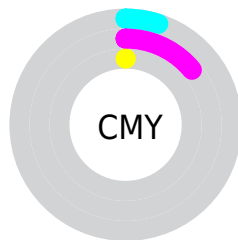
- Red (95%)
- Green (86%)
- Blue (100%)



- Red (95%)
- Yellow (86%)
- Blue (100%)



- Cyan (5%)
- Magenta (14%)
- Yellow (0%)
- Black (0%)





- Cyan (5%)
- Magenta (14%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 76.7603, 0.3054, 0.2930 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 76.7603, 0.3054, 0.2930 by changing the saturation by 10% instead.


 76.7603, 0.3054,
0.2930

 76.7603, 0.3054,
0.2930

483.9464, 0.3089,
0.3091

 57.0562, 0.3046,
0.2895

128.8011, 0.3066,
0.2985

 41.0503, 0.3035,
0.2852


161.9065, 0.3071,
0.3006

 28.3584, 0.3022,
0.2798


200.2478, 0.3075,
0.3025

 18.5960, 0.3005,
0.2730

244.2094, 0.3079,
0.3041

 11.3787, 0.2980,
0.2640

294.1756, 0.3082,
0.3056

 6.3222, 0.2944,
0.2516

350.5309, 0.3085,

 3.0420, 0.2887,

0.3069

0.2335

413.6597, 0.3087,
0.3080

■ 1.1537, 0.2784,
0.2049

■ 0.0234, 0.2572,
0.0162

■ 76.7603, 0.3054,
0.2930

■ 76.7603, 0.3054,
0.2930

■ 62.8776, 0.2991,
0.2657

■ 92.7682, 0.3108,
0.3189

■ 51.0180, 0.2918,
0.2374

100.0000, 0.3127,
0.3290

■ 41.0836, 0.2835,
0.2092

■ 32.9646, 0.2745,
0.1821

■ 26.5401, 0.2648,
0.1575

■ 21.6741, 0.2549,
0.1365

■ 18.2087, 0.2451,
0.1202

■ 15.9510, 0.2358,
0.1090

■ 15.0266, 0.2305,
0.1044

Harmonies

Analogous

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



76.7603, 0.2836, 0.2887



76.7603, 0.3054, 0.2930



76.7603, 0.3300, 0.3060

Triad

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



76.7603, 0.3054, 0.2930



76.7603, 0.3570, 0.3624



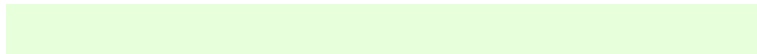
76.7603, 0.2762, 0.3317

Complementary

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



76.7603, 0.3054, 0.2930



93.7828, 0.3191, 0.3658

Split Complementary

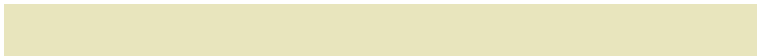
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



76.7603, 0.2947, 0.3538



76.7603, 0.3054, 0.2930



76.7603, 0.3415, 0.3715

Square

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



76.7603, 0.3054, 0.2930



76.7603, 0.3604, 0.3451



76.7603, 0.3186, 0.3686



76.7603, 0.2673, 0.3099

Rectangle

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



76.7603, 0.3054, 0.2930



76.7603, 0.3445, 0.3180



76.7603, 0.3186, 0.3686



76.7603, 0.2814, 0.3394

Sweetspot

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



76.7632, 0.3054, 0.2930



92.9740, 0.3108, 0.3192



80.1025, 0.2904, 0.3054



19.6259, 0.3105, 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.



76.7632, 0.3054, 0.2930



72.5512, 0.3037, 0.2853



78.8341, 0.3175, 0.2985



17.9542, 0.3080, 0.3052



7.9389, 0.2320, 0.1052



0.8346, 0.2421, 0.1107

Inverse Universe

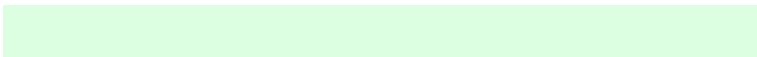
The Inverse Universe completely reimagines the original color for something new.



77.7433, 0.3299, 0.3161



73.7325, 0.3341, 0.3134



91.9497, 0.3082, 0.3615



18.0951, 0.3237, 0.3205



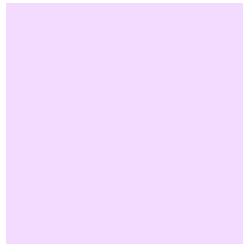
11.5367, 0.5544, 0.2828



1.1433, 0.5231, 0.2655

Previews

White Background



This preview shows how the Yxy color 76.7603, 0.3054, 0.2930 looks on a white background.

Color Contrast Check

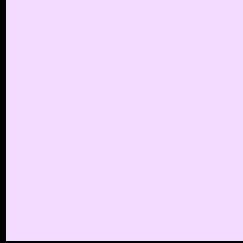
Large Text (above 18pt) WCAG AA × Fail

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 76.7603, 0.3054, 0.2930 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

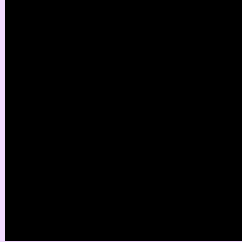
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

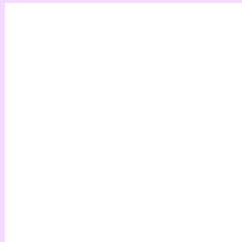
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 76.7603, 0.3054, 0.2930

Background



This preview shows how black text looks on a background with the Yxy color 76.7603, 0.3054, 0.2930.

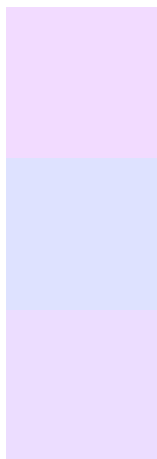


This preview shows how white text looks on a background with the Yxy color 76.7603, 0.3054, 0.2930.

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

76.7603, 0.3054, 0.2930

Protanopia

77.1423, 0.2921, 0.2990

Deuteranopia

76.7658, 0.3013, 0.2946



Tritanopia

76.9998, 0.3142, 0.3117

Trichromacy



Original Color

76.7603, 0.3054, 0.2930

Protanomaly

76.6534, 0.2966, 0.2962

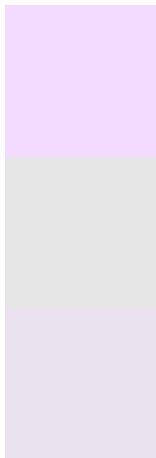
Deuteranomaly

76.5835, 0.3026, 0.2937

Tritanomaly

77.0062, 0.3111, 0.3047

Monochromacy



Original Color

76.7603, 0.3054, 0.2930

Achromatopsia

79.1298, 0.3127, 0.3290

Achromatomaly

78.1171, 0.3099, 0.3156

CSS Examples

Text

The CSS property to change the color of the text to Yxy 76.7603, 0.3054, 0.2930 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, 219, 255)` looks like.

```
.text, #text, p{  
    color:rgb(242, 219, 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, 219, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 219, 255) }
```

Border

The CSS property to change the border of an element to Yxy 76.7603, 0.3054, 0.2930 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, 219, 255) }
```

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

```
.border{ border-color:rgb(242, 219, 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, 219, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 219, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 219, 255);  
box-shadow:4px 4px 4px 4px rgb(242, 219,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 76.7603, 0.3054, 0.2930 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 219, 255) }
```

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

```
.background{ background-color: rgb(242,  
219, 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