

Converting Colors

$Y_{xy}(77.9172, 0.2958, 0.2853)$

Have a look what the booklet for
Yxy(77.9172, 0.2958, 0.2853)
contains.

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Color

Yxy(76.9374, 0.3020, 0.2947)

Conversions

Conversions Part 1

| Format | Color |
|-------------|----------------------------|
| Hex | EDDDFF |
| RGB | 237, 221, 255 |
| RGB Percent | 93%, 87%, 100% |
| CMY | 0.0704, 0.1334, 0.0001 |
| CMYK | 0.07, 0.13, 0.00, 0.00 |
| HSL | 268°, 100%, 93% |
| HSV | 268°, 13%, 100% |
| XYZ | 78.8432, 76.9374, 105.2896 |
| YIQ | 229.6600, -1.3780, 13.9660 |

Conversions

Conversions Part 2

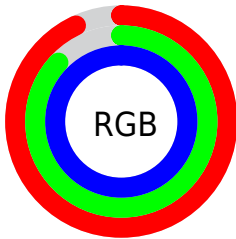
| Format | Color |
|-------------------------------------|------------------------------|
| R _Y B | 237, 221, 255 |
| Decimal | 15588863 |
| CIE Lab | 90.29, 11.64, -14.51 |
| CIE LCh | 90, 18.603, 308.734 |
| Yxy | 76.9374, 0.3020, 0.2947 |
| Android (android.graphics.Color) | 4293778943 (0xFFE8DDFF) |
| YUV | 229.6600, 12.4926, 6.4372 |
| Hunter-Lab | 87.7140, 6.9484, -9.7704 |

Details

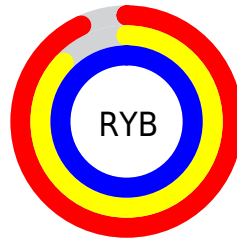
The Yxy color $76.9374, 0.3020, 0.2947$ is a light color, and the websafe version is hex `CCCCFF`. A complement of this color would be $95.0673, 0.3224, 0.3632$, and the grayscale version is $78.7795, 0.3127, 0.3290$.

A 20% lighter version of the original color is $100.0000, 0.3127, 0.3290$, and $41.1734, 0.2995, 0.2876$ is the 20% darker color. If you saturate the color by 10%, you get $62.2546, 0.2924, 0.2665$, and if you desaturate by 10%, it is $93.8450, 0.3103, 0.3208$.

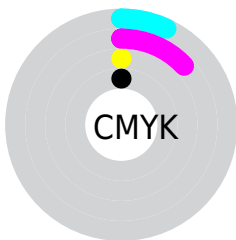
Distribution



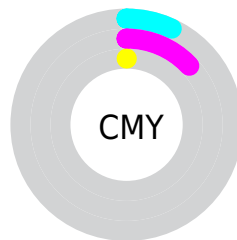
- Red (93%)
- Green (87%)
- Blue (100%)



- Red (93%)
- Yellow (87%)
- Blue (100%)



- Cyan (7%)
- Magenta (13%)
- Yellow (0%)
- Black (0%)



- Cyan (7%)
- Magenta (13%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 76.9374, 0.3020, 0.2947 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 76.9374, 0.3020, 0.2947 by changing the saturation by 10% instead.


 76.9374, 0.3020,
0.2947

 76.9374, 0.3020,
0.2947


484.5506, 0.3070,
0.3101

 57.2015, 0.3008,
0.2913

129.0511, 0.3038,
0.2999

 41.1670, 0.2994,
0.2872


162.1977, 0.3044,
0.3020

 28.4496, 0.2976,
0.2821


200.5833, 0.3050,
0.3038

 18.6649, 0.2952,
0.2755

244.5924, 0.3055,
0.3053

 11.4284, 0.2919,
0.2668

294.6092, 0.3060,
0.3067

 6.3557, 0.2871,
0.2548

351.0183, 0.3064,

 3.0626, 0.2797,

0.3080

0.2373

414.2039, 0.3067,
0.3091

■ 1.1645, 0.2667,
0.2092

■ 0.0324, 0.2250,
0.0232

■ 76.9374, 0.3020,
0.2947

■ 76.9374, 0.3020,
0.2947

■ 62.2546, 0.2924,
0.2665

■ 93.8450, 0.3103,
0.3208

■ 49.6912, 0.2814,
0.2368

99.9991, 0.3127,
0.3290

■ 39.1475, 0.2692,
0.2064

■ 30.5118, 0.2558,
0.1765

■ 23.6614, 0.2419,
0.1485

■ 18.4585, 0.2279,
0.1241

■ 14.7439, 0.2145,
0.1047

■ 12.3249, 0.2024,
0.0911

■ 11.2492, 0.1952,
0.0849

Harmonies

Analogous

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



76.9374, 0.2832, 0.2925



76.9374, 0.3020, 0.2947



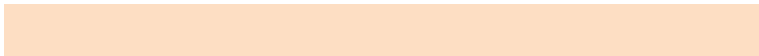
76.9374, 0.3243, 0.3052

Triad

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



76.9374, 0.3020, 0.2947



76.9374, 0.3545, 0.3570



76.9374, 0.2820, 0.3355

Complementary

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



76.9374, 0.3020, 0.2947



95.0673, 0.3224, 0.3632

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.



76.9374, 0.3003, 0.3547



76.9374, 0.3020, 0.2947



76.9374, 0.3423, 0.3669

Square

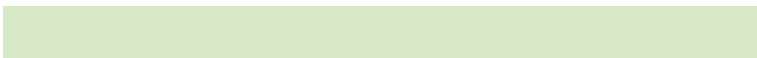
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



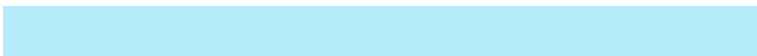
76.9374, 0.3020, 0.2947



76.9374, 0.3552, 0.3404



76.9374, 0.3223, 0.3663



76.9374, 0.2720, 0.3152

Rectangle

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



76.9374, 0.3020, 0.2947



76.9374, 0.3382, 0.3157



76.9374, 0.3223, 0.3663



76.9374, 0.2874, 0.3424

Sweetspot

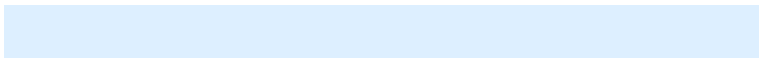
The Sweet Spot groups the original color and five complimentary colors.



76.9407, 0.3020, 0.2947



92.6579, 0.3097, 0.3191



84.3933, 0.2918, 0.3127



19.5459, 0.3092, 0.3172



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.



76.9407, 0.3020, 0.2947



72.8196, 0.2996, 0.2874



79.9693, 0.3135, 0.2959



17.7987, 0.3053, 0.3050



5.9660, 0.1969, 0.0858



0.6453, 0.2093, 0.0927

Inverse Universe

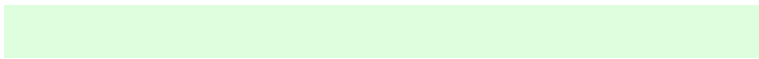
The Inverse Universe completely reimagines the original color for something new.



79.1917, 0.3249, 0.3113



75.4941, 0.3278, 0.3076



92.2798, 0.3118, 0.3643



18.1472, 0.3211, 0.3165



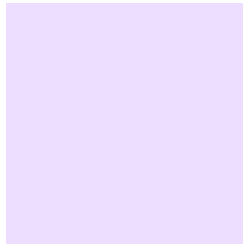
12.0456, 0.4848, 0.2444



1.1949, 0.4610, 0.2313

Previews

White Background



This preview shows how the Yxy color 76.9374, 0.3020, 0.2947 looks on a white background.

Color Contrast Check

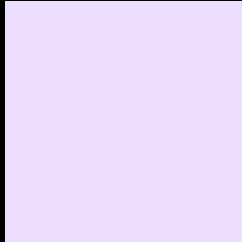
Large Text (above 18pt) WCAG AA × Fail

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 76.9374, 0.3020, 0.2947 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

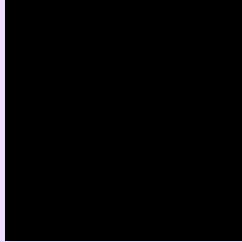
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

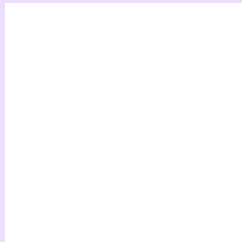
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 76.9374, 0.3020, 0.2947

Background



This preview shows how black text looks on a background with the Yxy color 76.9374, 0.3020, 0.2947.

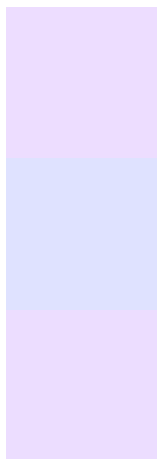


This preview shows how white text looks on a background with the Yxy color 76.9374, 0.3020, 0.2947.

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

76.9374, 0.3020, 0.2947

Protanopia

77.3007, 0.2927, 0.2990

Deuteranopia

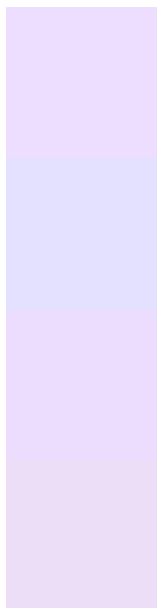
76.7658, 0.3013, 0.2946



Tritanopia

76.7884, 0.3094, 0.3105

Trichromacy



Original Color

76.9374, 0.3020, 0.2947

Protanomaly

77.0253, 0.2960, 0.2972

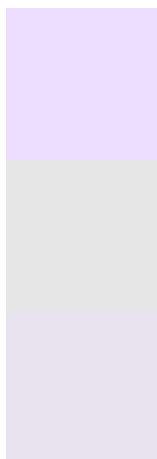
Deuteranomaly

76.7658, 0.3013, 0.2946

Tritanomaly

76.7292, 0.3069, 0.3045

Monochromacy



Original Color

76.9374, 0.3020, 0.2947

Achromatopsia

79.1298, 0.3127, 0.3290

Achromatomaly

78.4938, 0.3092, 0.3166

CSS Examples

Text

The CSS property to change the color of the text to Yxy 76.9374, 0.3020, 0.2947 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(237, 221, 255)` looks like.

```
.text, #text, p{  
    color:rgb(237, 221, 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(237, 221, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 221, 255) }
```

Border

The CSS property to change the border of an element to Yxy 76.9374, 0.3020, 0.2947 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(237, 221, 255) }
```

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

```
.border{ border-color:rgb(237, 221, 255) }
```

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

Here you see how a box with a 4 pixel rgb(237, 221, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 221, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 221, 255);  
box-shadow:4px 4px 4px 4px rgb(237, 221,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 76.9374, 0.3020, 0.2947 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 221, 255) }
```

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

```
.background{ background-color: rgb(237,  
221, 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](#).

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