

Converting Colors

$Y_{xy}(76.4978, 0.3053, 0.2971)$

Have a look what the booklet for
Yxy(76.4978, 0.3053, 0.2971)
contains.

Yxy(76.5654, 0.3052, 0.2967)	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(76.5654, 0.3052, 0.2967)

Conversions

Conversions Part 1

Format	Color
Hex	EFDCFC
RGB	239, 220, 252
RGB Percent	94%, 86%, 99%
CMY	0.0628, 0.1372, 0.0117
CMYK	0.05, 0.13, 0.00, 0.01
HSL	276°, 84%, 93%
HSV	276°, 13%, 99%
XYZ	78.7589, 76.5654, 102.7323
YIQ	229.3290, 1.0520, 13.9800

Conversions

Conversions Part 2

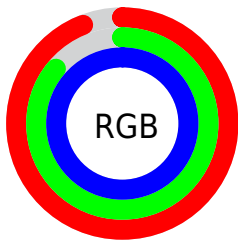
Format	Color
R_{YB}	239, 220, 252
Decimal	15719676
CIE _{Lab}	90.12, 12.21, -13.19
CIE _{LCh}	90, 17.978, 312.789
Yxy	76.5654, 0.3052, 0.2967
Android (android.graphics.Color)	4293909756 (0xFFEFDCFC)
YUV	229.3290, 11.1768, 8.4815
Hunter-Lab	87.5017, 7.5372, -8.3590

Details

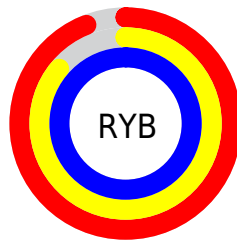
The Yxy color `76.5654, 0.3052, 0.2967` is a light color, and the websafe version is hex `CCCCFF`. A complement of this color would be `92.1253, 0.3194, 0.3617`, and the grayscale version is `78.5265, 0.3127, 0.3290`.

A 20% lighter version of the original color is `100.0000, 0.3127, 0.3290`, and `40.9177, 0.3037, 0.2902` is the 20% darker color. If you saturate the color by 10%, you get `62.5873, 0.2981, 0.2693`, and if you desaturate by 10%, it is `92.6453, 0.3113, 0.3224`.

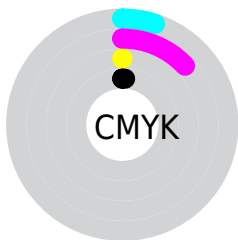
Distribution



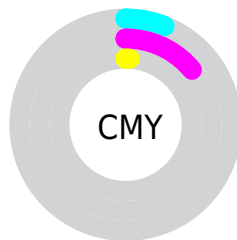
- Red (94%)
- Green (86%)
- Blue (99%)



- Red (94%)
- Yellow (86%)
- Blue (99%)



- Cyan (5%)
- Magenta (13%)
- Yellow (0%)
- Black (1%)




- Cyan (6%)
- Magenta (14%)
- Yellow (1%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 76.5654, 0.3052, 0.2967 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 76.5654, 0.3052, 0.2967 by changing the saturation by 10% instead.


 76.5654, 0.3052,
0.2967

 76.5654, 0.3052,
0.2967


483.2810, 0.3088,
0.3112

 56.8963, 0.3044,
0.2935


128.5258, 0.3065,
0.3016

 40.9220, 0.3033,
0.2896


161.5859, 0.3069,
0.3036

 28.2581, 0.3020,
0.2847


199.8784, 0.3074,
0.3053

 18.5203, 0.3002,
0.2785

243.7877, 0.3077,
0.3067

 11.3242, 0.2978,
0.2703

293.6982, 0.3080,
0.3080

 6.2853, 0.2943,
0.2589

349.9943, 0.3083,

 3.0193, 0.2887,

0.3092

0.2421

413.0604, 0.3086,
0.3102

■ 1.1418, 0.2785,
0.2151

■ 0.0134, 0.2465,
0.0106

■ 76.5654, 0.3052,
0.2967

■ 76.5654, 0.3052,
0.2967

■ 62.5873, 0.2981,
0.2693

■ 92.6453, 0.3113,
0.3224

■ 50.6105, 0.2899,
0.2408

99.8091, 0.3144,
0.3318

■ 40.5410, 0.2806,
0.2119

■ 32.2730, 0.2704,
0.1838

■ 25.6903, 0.2595,
0.1578

■ 20.6623, 0.2484,
0.1353

■ 17.0389, 0.2374,
0.1175

■ 14.6381, 0.2270,
0.1049

■ 13.4627, 0.2199,
0.0985

Harmonies

Analogous

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



76.5654, 0.2862, 0.2934



76.5654, 0.3052, 0.2967



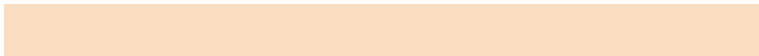
76.5654, 0.3268, 0.3079

Triad

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



76.5654, 0.3052, 0.2967



76.5654, 0.3522, 0.3579



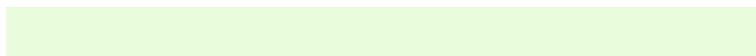
76.5654, 0.2811, 0.3326

Complementary

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



76.5654, 0.3052, 0.2967



92.1253, 0.3194, 0.3617

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.



76.5654, 0.2980, 0.3516



76.5654, 0.3052, 0.2967



76.5654, 0.3391, 0.3662

Square

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



76.5654, 0.3052, 0.2967



76.5654, 0.3545, 0.3424



76.5654, 0.3191, 0.3641



76.5654, 0.2727, 0.3133

Rectangle

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



76.5654, 0.3052, 0.2967



76.5654, 0.3397, 0.3185



76.5654, 0.3191, 0.3641



76.5654, 0.2860, 0.3393

Sweetspot

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



76.5687, 0.3052, 0.2967



92.8852, 0.3105, 0.3192



80.7184, 0.2928, 0.3096



19.6034, 0.3101, 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.



76.5687, 0.3052, 0.2967



75.1436, 0.3037, 0.2905



78.7496, 0.3159, 0.3001



17.1519, 0.3073, 0.3052



7.1004, 0.2215, 0.0994



0.7195, 0.2331, 0.1058

Inverse Universe

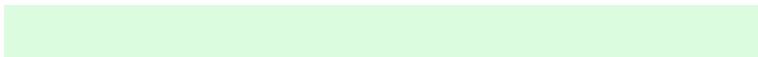
The Inverse Universe completely reimagines the original color for something new.



77.7734, 0.3269, 0.3160



76.6010, 0.3299, 0.3135



90.1558, 0.3096, 0.3597



17.3423, 0.3230, 0.3194



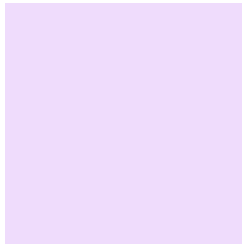
11.3133, 0.5354, 0.2723



1.0682, 0.5040, 0.2550

Previews

White Background



This preview shows how the Yxy color 76.5654, 0.3052, 0.2967 looks on a white background.

Color Contrast Check

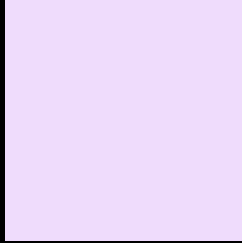
Large Text (above 18pt) WCAG AA × Fail

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 76.5654, 0.3052, 0.2967 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

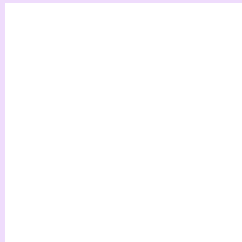
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 76.5654, 0.3052, 0.2967

Background



This preview shows how black text looks on a background with the Yxy color 76.5654, 0.3052, 0.2967.

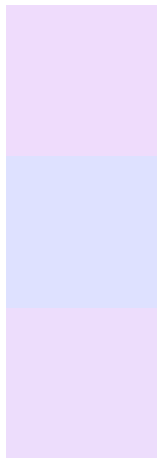


This preview shows how white text looks on a background with the Yxy color 76.5654, 0.3052, 0.2967.

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

76.5654, 0.3052, 0.2967

Protanopia

76.6000, 0.2921, 0.2979

Deuteranopia

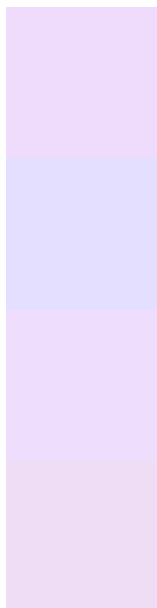
76.7457, 0.3038, 0.2976



Tritanopia

76.5383, 0.3115, 0.3105

Trichromacy



Original Color

76.5654, 0.3052, 0.2967

Protanomaly

76.4251, 0.2966, 0.2971

Deuteranomaly

76.9183, 0.3045, 0.2977

Tritanomaly

76.4217, 0.3096, 0.3055

Monochromacy



Original Color

76.5654, 0.3052, 0.2967

Achromatopsia

78.3538, 0.3127, 0.3290

Achromatomaly

77.8308, 0.3105, 0.3176

CSS Examples

Text

The CSS property to change the color of the text to Yxy 76.5654, 0.3052, 0.2967 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(239, 220, 252)` looks like.

```
.text, #text, p{  
    color:rgb(239, 220, 252)  
}
```

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(239, 220, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(239, 220, 252) }
```

Border

The CSS property to change the border of an element to Yxy 76.5654, 0.3052, 0.2967 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(239, 220, 252) }
```

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

```
.border{ border-color:rgb(239, 220, 252) }
```

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

Here you see how a box with a 4 pixel `rgb(239, 220, 252)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(239, 220, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(239, 220, 252);  
box-shadow:4px 4px 4px 4px rgb(239, 220,  
252) }
```


Background

The CSS property to change the background color of an element to Yxy 76.5654, 0.3052, 0.2967 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(239, 220, 252) }
```

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

```
.background{ background-color: rgb(239,  
220, 252) }
```

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