

Converting Colors

$Y_{xy}(76.9178, 0.3032, 0.2942)$

Have a look what the booklet for
Yxy(76.9178, 0.3032, 0.2942)
contains.

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Color

Yxy(76.7571, 0.3033, 0.2938)

Conversions

Conversions Part 1

Format	Color
Hex	EFDCFF
RGB	239, 220, 255
RGB Percent	94%, 86%, 100%
CMY	0.0628, 0.1372, 0.0000
CMYK	0.06, 0.14, 0.00, 0.00
HSL	273°, 100%, 93%
HSV	273°, 14%, 100%
XYZ	79.2390, 76.7571, 105.2602
YIQ	229.6710, 0.0890, 14.9130

Conversions

Conversions Part 2

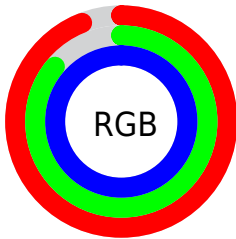
Format	Color
R _Y B	239, 220, 255
Decimal	15719679
CIE Lab	90.21, 12.78, -14.64
CIE LCh	90, 19.433, 311.133
Yxy	76.7571, 0.3033, 0.2938
Android (android.graphics.Color)	4293909759 (0xFFEFD _C FF)
YUV	229.6710, 12.4872, 8.1815
Hunter-Lab	87.6111, 8.1231, -9.9060

Details

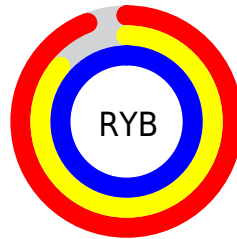
The Yxy color $76.7571, 0.3033, 0.2938$ is a light color, and the websafe version is hex `CCCCFF`. A complement of this color would be $94.5233, 0.3211, 0.3644$, and the grayscale version is $78.7812, 0.3127, 0.3290$.

A 20% lighter version of the original color is $100.0000, 0.3127, 0.3290$, and $41.0548, 0.3013, 0.2865$ is the 20% darker color. If you saturate the color by 10%, you get $62.4134, 0.2951, 0.2660$, and if you desaturate by 10%, it is $93.2777, 0.3104, 0.3198$.

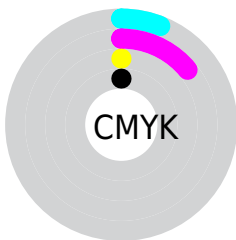
Distribution



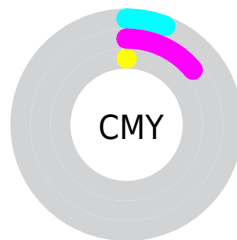
- Red (94%)
- Green (86%)
- Blue (100%)



- Red (94%)
- Yellow (86%)
- Blue (100%)



- Cyan (6%)
- Magenta (14%)
- Yellow (0%)
- Black (0%)





- Cyan (6%)
- Magenta (14%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 76.7571, 0.3033, 0.2938 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 76.7571, 0.3033, 0.2938 by changing the saturation by 10% instead.


 76.7571, 0.3033,
0.2938

 76.7571, 0.3033,
0.2938


483.9355, 0.3078,
0.3095

 57.0535, 0.3023,
0.2903


128.7965, 0.3049,
0.2992

 41.0482, 0.3010,
0.2861

161.9012, 0.3055,
0.3013

 28.3568, 0.2993,
0.2809


200.2417, 0.3060,
0.3031

 18.5948, 0.2972,
0.2741

244.2024, 0.3064,
0.3047

 11.3778, 0.2942,
0.2653

294.1678, 0.3068,
0.3061

 6.3216, 0.2899,
0.2531

350.5221, 0.3072,

 3.0416, 0.2831,

0.3074

0.2352

413.6499, 0.3075,
0.3085

■ 1.1535, 0.2710,
0.2067

■ 0.0232, 0.2372,
0.0165

■ 76.7571, 0.3033,
0.2938

■ 76.7571, 0.3033,
0.2938

■ 62.4134, 0.2951,
0.2660

■ 93.2777, 0.3104,
0.3198

■ 50.1456, 0.2856,
0.2369

100.0000, 0.3127,
0.3290

■ 39.8538, 0.2749,
0.2073

■ 31.4277, 0.2633,
0.1786

■ 24.7452, 0.2511,
0.1519

■ 19.6695, 0.2387,
0.1289

■ 16.0423, 0.2267,
0.1108

■ 13.6708, 0.2155,
0.0981

■ 12.6522, 0.2090,
0.0925

Harmonies

Analogous

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



76.7571, 0.2832, 0.2907



76.7571, 0.3033, 0.2938



76.7571, 0.3267, 0.3054

Triad

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



76.7571, 0.3033, 0.2938



76.7571, 0.3558, 0.3594



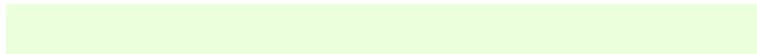
76.7571, 0.2794, 0.3340

Complementary

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



76.7571, 0.3033, 0.2938



94.5233, 0.3211, 0.3644

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.



76.7571, 0.2979, 0.3545



76.7571, 0.3033, 0.2938



76.7571, 0.3422, 0.3690

Square

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



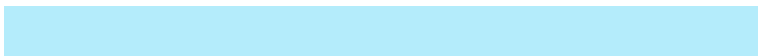
76.7571, 0.3033, 0.2938



76.7571, 0.3576, 0.3424



76.7571, 0.3208, 0.3675



76.7571, 0.2698, 0.3130

Rectangle

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



76.7571, 0.3033, 0.2938



76.7571, 0.3409, 0.3166



76.7571, 0.3208, 0.3675



76.7571, 0.2848, 0.3413

Sweetspot

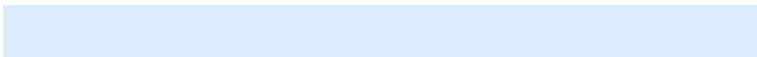
The Sweet Spot groups the original color and five complimentary colors.



76.7593, 0.3033, 0.2938



92.7895, 0.3102, 0.3191



82.6220, 0.2911, 0.3097



19.5792, 0.3097, 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.



76.7593, 0.3033, 0.2938



73.3046, 0.3015, 0.2876



79.5952, 0.3151, 0.2961



17.8632, 0.3064, 0.3050



6.7010, 0.2106, 0.0934



0.7174, 0.2224, 0.0999

Inverse Universe

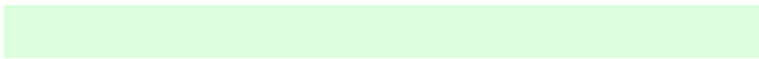
The Inverse Universe completely reimagines the original color for something new.



78.5072, 0.3270, 0.3132



75.3300, 0.3298, 0.3104



91.9665, 0.3103, 0.3643



18.1253, 0.3222, 0.3182



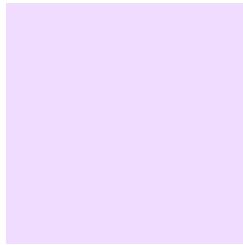
11.8051, 0.5145, 0.2608



1.1712, 0.4868, 0.2455

Previews

White Background



This preview shows how the Yxy color 76.7571, 0.3033, 0.2938 looks on a white background.

Color Contrast Check

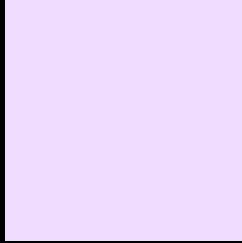
Large Text (above 18pt) WCAG AA × Fail

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 76.7571, 0.3033, 0.2938 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

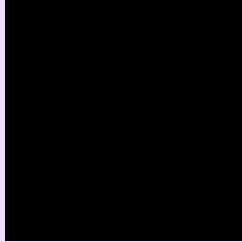
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

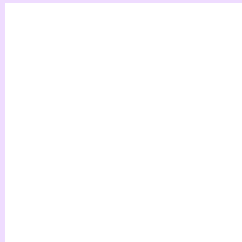
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 76.7571, 0.3033, 0.2938

Background



This preview shows how black text looks on a background with the Yxy color 76.7571, 0.3033, 0.2938.

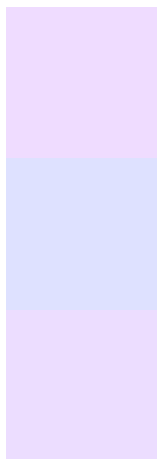


This preview shows how white text looks on a background with the Yxy color 76.7571, 0.3033, 0.2938.

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

76.7571, 0.3033, 0.2938

Protanopia

76.6000, 0.2921, 0.2979

Deuteranopia

76.7658, 0.3013, 0.2946



Tritanopia

77.0711, 0.3114, 0.3116

Trichromacy



Original Color

76.7571, 0.3033, 0.2938

Protanomaly

76.4893, 0.2959, 0.2962

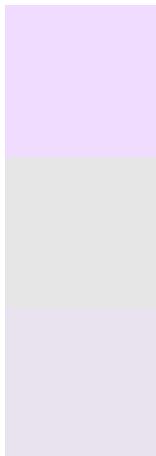
Deuteranomaly

76.9374, 0.3020, 0.2947

Tritanomaly

77.0123, 0.3090, 0.3056

Monochromacy



Original Color

76.7571, 0.3033, 0.2938

Achromatopsia

79.1298, 0.3127, 0.3290

Achromatomaly

77.9483, 0.3092, 0.3156

CSS Examples

Text

The CSS property to change the color of the text to Yxy 76.7571, 0.3033, 0.2938 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, 255)` looks like.

```
.text, #text, p{  
    color:rgb(239, 220, 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(239, 220, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(239, 220, 255) }
```

Border

The CSS property to change the border of an element to Yxy 76.7571, 0.3033, 0.2938 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, 255) }
```

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

```
.border{ border-color:rgb(239, 220, 255) }
```

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, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(239, 220, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(239, 220, 255);  
box-shadow:4px 4px 4px 4px rgb(239, 220,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 76.7571, 0.3033, 0.2938 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, 255) }
```

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

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