

Converting Colors

$Y_{xy}(77.4705, 0.2920, 0.2776)$

Have a look what the booklet for
Yxy(77.4705, 0.2920, 0.2776)
contains.

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Color

Yxy(76.5835, 0.3026, 0.2937)

Conversions

Conversions Part 1

Format	Color
Hex	EEDCFF
RGB	238, 220, 255
RGB Percent	93%, 86%, 100%
CMY	0.0667, 0.1372, 0.0000
CMYK	0.07, 0.14, 0.00, 0.00
HSL	271°, 100%, 93%
HSV	271°, 14%, 100%
XYZ	78.9042, 76.5835, 105.2665
YIQ	229.3720, -0.5070, 14.7010

Conversions

Conversions Part 2

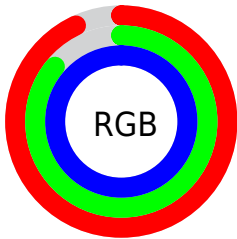
Format	Color
R _Y B	238, 220, 255
Decimal	15654143
CIE _{Lab}	90.13, 12.46, -14.78
CIE _{LCh}	90, 19.334, 310.146
Y _{xy}	76.5835, 0.3026, 0.2937
Android (android.graphics.Color)	4293844223 (0xFFEEDCFF)
YUV	229.3720, 12.6346, 7.5668
Hunter-Lab	87.5120, 7.7965, -10.0604

Details

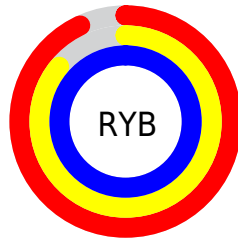
The Yxy color **76.5835, 0.3026, 0.2937** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **94.6957, 0.3217, 0.3644**, and the grayscale version is **78.5465, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **40.9326, 0.3004, 0.2864** is the 20% darker color. If you saturate the color by 10%, you get **62.1310, 0.2938, 0.2657**, and if you desaturate by 10%, it is **93.2262, 0.3102, 0.3198**.

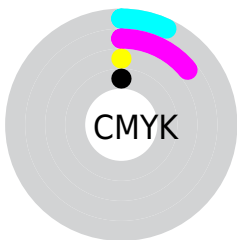
Distribution



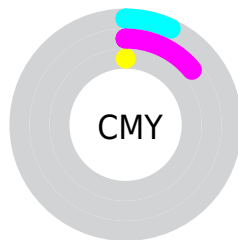
- Red (93%)
- Green (86%)
- Blue (100%)



- Red (93%)
- Yellow (86%)
- Blue (100%)



- Cyan (7%)
- Magenta (14%)
- Yellow (0%)
- Black (0%)





- Cyan (7%)
- Magenta (14%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 76.5835, 0.3026, 0.2937 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 76.5835, 0.3026, 0.2937 by changing the saturation by 10% instead.


 76.5835, 0.3026,
0.2937

 76.5835, 0.3026,
0.2937


483.3428, 0.3074,
0.3095

 56.9111, 0.3015,
0.2902


128.5514, 0.3043,
0.2991

 40.9339, 0.3001,
0.2860


161.6157, 0.3049,
0.3012

 28.2674, 0.2984,
0.2807


199.9127, 0.3055,
0.3030

 18.5273, 0.2961,
0.2740

243.8268, 0.3060,
0.3046

 11.3292, 0.2929,
0.2651

293.7425, 0.3064,
0.3061

 6.2887, 0.2883,
0.2528

350.0442, 0.3067,

 3.0214, 0.2811,

0.3073

0.2348

413.1161, 0.3071,
0.3085

■ 1.1429, 0.2684,
0.2061

■ 0.0143, 0.2298,
0.0104

■ 76.5835, 0.3026,
0.2937

■ 76.5835, 0.3026,
0.2937

■ 62.1310, 0.2938,
0.2657

■ 93.2262, 0.3102,
0.3198

■ 49.7723, 0.2837,
0.2364

100.0000, 0.3127,
0.3290

■ 39.4054, 0.2723,
0.2065

■ 30.9192, 0.2600,
0.1772

■ 24.1913, 0.2471,
0.1501

■ 19.0842, 0.2340,
0.1266

■ 15.4389, 0.2214,
0.1080

■ 13.0621, 0.2098,
0.0950

■ 12.0463, 0.2031,
0.0893

Harmonies

Analogous

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



76.5835, 0.2828, 0.2910



76.5835, 0.3026, 0.2937



76.5835, 0.3259, 0.3050

Triad

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



76.5835, 0.3026, 0.2937



76.5835, 0.3559, 0.3588



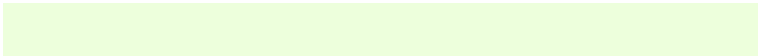
76.5835, 0.2801, 0.3347

Complementary

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



76.5835, 0.3026, 0.2937



94.6957, 0.3217, 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.



76.5835, 0.2987, 0.3549



76.5835, 0.3026, 0.2937



76.5835, 0.3426, 0.3686

Square

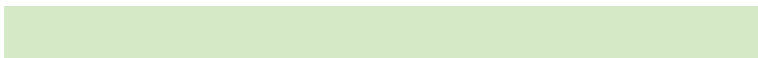
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



76.5835, 0.3026, 0.2937



76.5835, 0.3573, 0.3417



76.5835, 0.3216, 0.3676



76.5835, 0.2702, 0.3137

Rectangle

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



76.5835, 0.3026, 0.2937



76.5835, 0.3401, 0.3160



76.5835, 0.3216, 0.3676



76.5835, 0.2855, 0.3419

Sweetspot

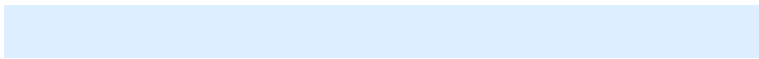
The Sweet Spot groups the original color and five complimentary colors.



76.5840, 0.3026, 0.2937



92.7353, 0.3100, 0.3191



83.2965, 0.2912, 0.3110



19.5655, 0.3095, 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.



76.5840, 0.3026, 0.2937



73.1042, 0.3007, 0.2875



79.6694, 0.3143, 0.2950



17.8366, 0.3060, 0.3050



6.3837, 0.2048, 0.0902



0.6866, 0.2169, 0.0969

Inverse Universe

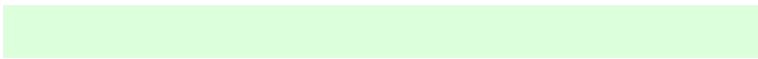
The Inverse Universe completely reimagines the original color for something new.



78.5651, 0.3263, 0.3122



75.3971, 0.3289, 0.3093



91.9042, 0.3110, 0.3655



18.1343, 0.3218, 0.3175



11.8990, 0.5023, 0.2541



1.1805, 0.4761, 0.2396

Previews

White Background



This preview shows how the Yxy color 76.5835, 0.3026, 0.2937 looks on a white background.

Color Contrast Check

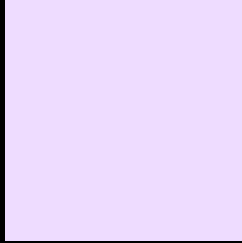
Large Text (above 18pt) WCAG AA × Fail

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 76.5835, 0.3026, 0.2937 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

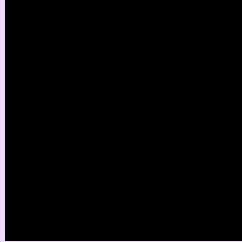
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

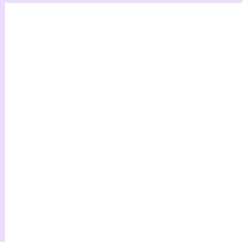
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 76.5835, 0.3026, 0.2937

Background



This preview shows how black text looks on a background with the Yxy color 76.5835, 0.3026, 0.2937.

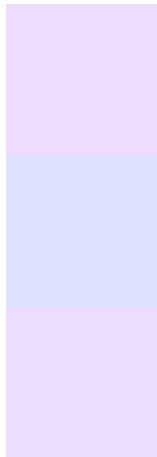


This preview shows how white text looks on a background with the Yxy color 76.5835, 0.3026, 0.2937.

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

76.5835, 0.3026, 0.2937

Protanopia

76.6000, 0.2921, 0.2979

Deuteranopia

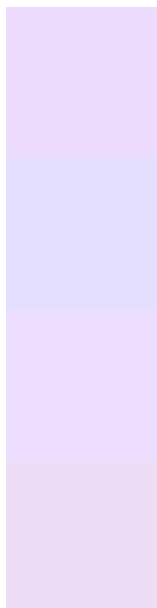
76.7658, 0.3013, 0.2946



Tritanopia

76.8995, 0.3108, 0.3115

Trichromacy



Original Color

76.5835, 0.3026, 0.2937

Protanomaly

76.4893, 0.2959, 0.2962

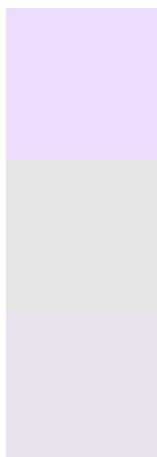
Deuteranomaly

76.9374, 0.3020, 0.2947

Tritanomaly

76.8396, 0.3083, 0.3055

Monochromacy



Original Color

76.5835, 0.3026, 0.2937

Achromatopsia

78.3538, 0.3127, 0.3290

Achromatomaly

77.7216, 0.3092, 0.3166

CSS Examples

Text

The CSS property to change the color of the text to Yxy 76.5835, 0.3026, 0.2937 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(238, 220, 255)` looks like.

```
.text, #text, p{  
    color:rgb(238, 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(238, 220, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 220, 255) }
```

Border

The CSS property to change the border of an element to Yxy 76.5835, 0.3026, 0.2937 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(238, 220, 255) }
```

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

```
.border{ border-color:rgb(238, 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(238, 220, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(238, 220, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(238, 220, 255);  
box-shadow:4px 4px 4px 4px rgb(238, 220,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 76.5835, 0.3026, 0.2937 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(238, 220, 255) }
```

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

```
.background{ background-color: rgb(238,  
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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