

Converting Colors

$Yxy(77.8777, 0.2985, 0.2979)$

Have a look what the booklet for
Yxy(77.8777, 0.2985, 0.2979)
contains.

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Color

Yxy(77.6871, 0.2986, 0.2975)

Conversions

Conversions Part 1

Format	Color
Hex	E8E0FF
RGB	232, 224, 255
RGB Percent	91%, 88%, 100%
CMY	0.0903, 0.1215, 0.0001
CMYK	0.09, 0.12, 0.00, 0.00
HSL	255°, 100%, 94%
HSV	255°, 12%, 100%
XYZ	77.9743, 77.6871, 105.4717
YIQ	229.9260, -5.1830, 11.3370

Conversions

Conversions Part 2

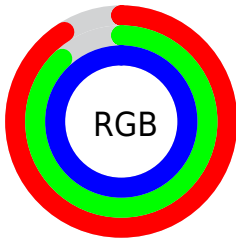
Format	Color
R _Y B	232, 224, 255
Decimal	15261951
CIE Lab	90.64, 8.42, -14.03
CIE LCh	91, 16.367, 300.980
Yxy	77.6871, 0.2986, 0.2975
Android (android.graphics.Color)	4293452031 (0xFFE8E0FF)
YUV	229.9260, 12.3615, 1.8189
Hunter-Lab	88.1403, 3.6666, -9.2502

Details

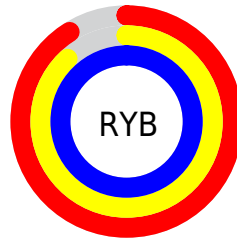
The Yxy color $77.6871, 0.2986, 0.2975$ is a light color, and the websafe version is hex `CCCCFF`. A complement of this color would be $96.6650, 0.3258, 0.3596$, and the grayscale version is $78.9817, 0.3127, 0.3290$.

A 20% lighter version of the original color is $100.0000, 0.3127, 0.3290$, and $41.6833, 0.2953, 0.2911$ is the 20% darker color. If you saturate the color by 10%, you get $61.9951, 0.2850, 0.2685$, and if you desaturate by 10%, it is $95.7824, 0.3104, 0.3238$.

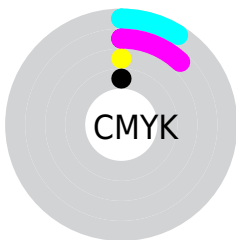
Distribution



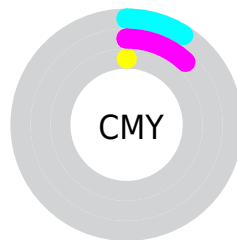
- Red (91%)
- Green (88%)
- Blue (100%)



- Red (91%)
- Yellow (88%)
- Blue (100%)



- Cyan (9%)
- Magenta (12%)
- Yellow (0%)
- Black (0%)



- Cyan (9%)
- Magenta (12%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 77.6871, 0.2986, 0.2975 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 77.6871, 0.2986, 0.2975 by changing the saturation by 10% instead.

77.6871, 0.2986,
0.2975

77.6871, 0.2986,
0.2975

487.1035, 0.3051,
0.3116

57.8170, 0.2971,
0.2944

130.1089, 0.3009,
0.3023

41.6615, 0.2953,
0.2906

163.4294, 0.3017,
0.3042

28.8364, 0.2930,
0.2858

202.0022, 0.3025,
0.3059

18.9571, 0.2899,
0.2797

246.2116, 0.3032,
0.3073

11.6393, 0.2859,
0.2716

296.4420, 0.3037,
0.3086

6.4985, 0.2800,
0.2605

353.0779, 0.3043,

3.1505, 0.2710,

0.3097

0.2440

416.5036, 0.3047,
0.3107

■ 1.2108, 0.2556,
0.2175

■ 0.0705, 0.1942,
0.0502

■ 77.6871, 0.2986,
0.2975

■ 77.6871, 0.2986,
0.2975

■ 61.9951, 0.2850,
0.2685

■ 95.7824, 0.3104,
0.3238

■ 48.5947, 0.2697,
0.2371

99.9985, 0.3127,
0.3290

■ 37.3797, 0.2528,
0.2042

■ 28.2317, 0.2349,
0.1711

■ 21.0209, 0.2167,
0.1396

■ 15.6022, 0.1993,
0.1118

■ 11.8095, 0.1838,
0.0897

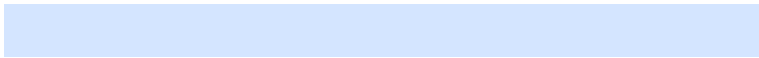
■ 9.4439, 0.1713,
0.0747

■ 8.3606, 0.1637,
0.0676

Harmonies

Analogous

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



77.6871, 0.2835, 0.2978



77.6871, 0.2986, 0.2975



77.6871, 0.3179, 0.3051

Triad

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



77.6871, 0.2986, 0.2975



77.6871, 0.3505, 0.3503



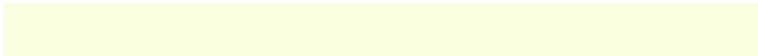
77.6871, 0.2894, 0.3394

Complementary

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



77.6871, 0.2986, 0.2975



96.6650, 0.3258, 0.3596

Split Complementary

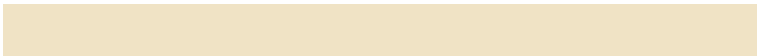
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



77.6871, 0.3067, 0.3548



77.6871, 0.2986, 0.2975



77.6871, 0.3423, 0.3608

Square

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



77.6871, 0.2986, 0.2975



77.6871, 0.3483, 0.3349



77.6871, 0.3261, 0.3627



77.6871, 0.2783, 0.3214

Rectangle

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



77.6871, 0.2986, 0.2975



77.6871, 0.3306, 0.3135



77.6871, 0.3261, 0.3627



77.6871, 0.2946, 0.3451

Sweetspot

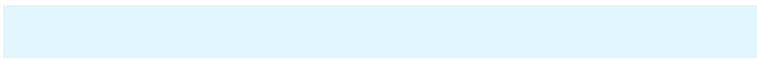
The Sweet Spot groups the original color and five complimentary colors.



77.6904, 0.2986, 0.2975



92.2548, 0.3083, 0.3191



89.7346, 0.2939, 0.3211



19.4441, 0.3075, 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.



77.6904, 0.2986, 0.2975



72.9798, 0.2949, 0.2895



80.3560, 0.3088, 0.2985



17.6033, 0.3019, 0.3047



4.4295, 0.1651, 0.0683



0.4809, 0.1761, 0.0744

Inverse Universe

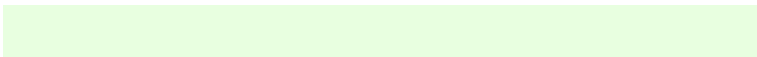
The Inverse Universe completely reimagines the original color for something new.



81.2924, 0.3193, 0.3065



77.3598, 0.3210, 0.3011



94.0025, 0.3161, 0.3605



18.2159, 0.3178, 0.3115



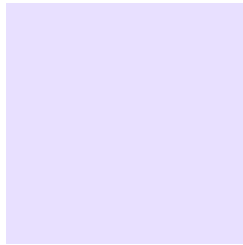
13.0646, 0.3990, 0.1972



1.2898, 0.3881, 0.1912

Previews

White Background



This preview shows how the Yxy color 77.6871, 0.2986, 0.2975 looks on a white background.

Color Contrast Check

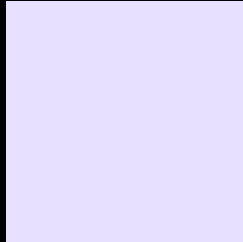
Large Text (above 18pt) WCAG AA × Fail

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 77.6871, 0.2986, 0.2975 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

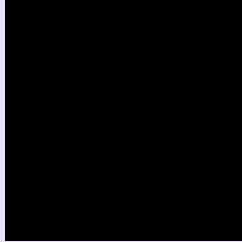
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 77.6871, 0.2986, 0.2975

Background



This preview shows how black text looks on a background with the Yxy color 77.6871, 0.2986, 0.2975.

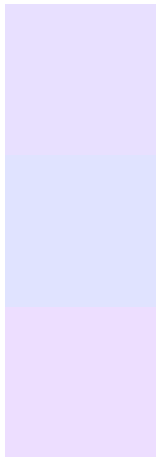


This preview shows how white text looks on a background with the Yxy color 77.6871, 0.2986, 0.2975.

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

77.6871, 0.2986, 0.2975

Protanopia

78.0055, 0.2934, 0.3001

Deuteranopia

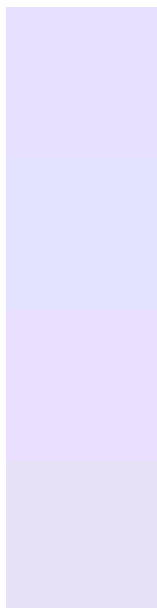
77.4671, 0.3019, 0.2957



Tritanopia

77.7474, 0.3040, 0.3104

Trichromacy



Original Color

77.6871, 0.2986, 0.2975

Protanomaly

77.9436, 0.2953, 0.2992

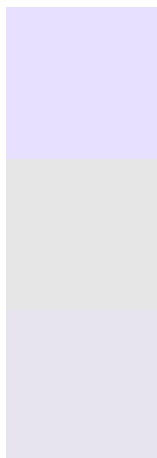
Deuteranomaly

77.6575, 0.3006, 0.2966

Tritanomaly

77.6167, 0.3022, 0.3054

Monochromacy



Original Color

77.6871, 0.2986, 0.2975

Achromatopsia

79.1298, 0.3127, 0.3290

Achromatomaly

78.7077, 0.3078, 0.3176

CSS Examples

Text

The CSS property to change the color of the text to Yxy 77.6871, 0.2986, 0.2975 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(232, 224, 255)` looks like.

```
.text, #text, p{  
    color:rgb(232, 224, 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(232, 224, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 224, 255) }
```

Border

The CSS property to change the border of an element to Yxy 77.6871, 0.2986, 0.2975 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(232, 224, 255) }
```

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

```
.border{ border-color:rgb(232, 224, 255) }
```

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

Here you see how a box with a 4 pixel rgb(232, 224, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 224, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 224, 255);  
box-shadow:4px 4px 4px 4px rgb(232, 224,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 77.6871, 0.2986, 0.2975 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 224, 255) }
```

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

```
.background{ background-color: rgb(232,  
224, 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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