

Converting Colors

$Yxy(77.3398, 0.2994, 0.2965)$

Have a look what the booklet for
Yxy(77.3398, 0.2994, 0.2965)
contains.

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Color

Yxy(77.3190, 0.2993, 0.2965)

Conversions

Conversions Part 1

| Format | Color |
|-------------|----------------------------|
| Hex | E9DFFF |
| RGB | 233, 223, 255 |
| RGB Percent | 91%, 87%, 100% |
| CMY | 0.0861, 0.1255, 0.0001 |
| CMYK | 0.09, 0.13, 0.00, 0.00 |
| HSL | 259°, 100%, 94% |
| HSV | 259°, 13%, 100% |
| XYZ | 78.0492, 77.3190, 105.4042 |
| YIQ | 229.6380, -4.3120, 12.0720 |

Conversions

Conversions Part 2

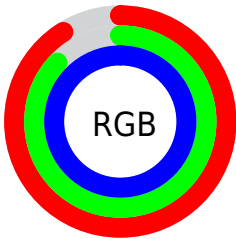
| Format | Color |
|-------------------------------------|------------------------------|
| R_{YB} | 233, 223, 255 |
| Decimal | 15327231 |
| CIE _{Lab} | 90.47, 9.30, -14.28 |
| CIE _{LCh} | 90, 17.043, 303.077 |
| Yxy | 77.3190, 0.2993, 0.2965 |
| Android (android.graphics.Color) | 4293517311 (0xFFE9DFFF) |
| YUV | 229.6380, 12.5035, 2.9485 |
| Hunter-Lab | 87.9312, 4.5598, -9.5198 |

Details

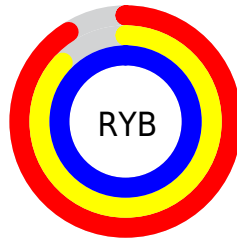
The Yxy color $77.3190, 0.2993, 0.2965$ is a light color, and the websafe version is hex `CCCCFF`. A complement of this color would be $96.2394, 0.3250, 0.3608$, and the grayscale version is $78.7627, 0.3127, 0.3290$.

A 20% lighter version of the original color is $100.0000, 0.3127, 0.3290$, and $41.4296, 0.2961, 0.2898$ is the 20% darker color. If you saturate the color by 10%, you get $61.9078, 0.2867, 0.2677$, and if you desaturate by 10%, it is $95.0802, 0.3102, 0.3228$.

Distribution



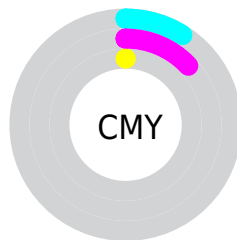
- Red (91%)
- Green (87%)
- Blue (100%)



- Red (91%)
- Yellow (87%)
- Blue (100%)



- Cyan (9%)
- Magenta (13%)
- Yellow (0%)
- Black (0%)



- Cyan (9%)
- Magenta (13%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 77.3190, 0.2993, 0.2965 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 77.3190, 0.2993, 0.2965 by changing the saturation by 10% instead.

77.3190, 0.2993,
0.2965

77.3190, 0.2993,
0.2965

485.8510, 0.3055,
0.3111

57.5147, 0.2979,
0.2933

129.5897, 0.3015,
0.3015

41.4186, 0.2961,
0.2893

162.8249, 0.3023,
0.3034

28.6463, 0.2939,
0.2844

201.3059, 0.3030,
0.3051

18.8135, 0.2910,
0.2782

245.4170, 0.3037,
0.3066

11.5356, 0.2871,
0.2699

295.5427, 0.3042,
0.3079

6.4283, 0.2814,
0.2584

352.0673, 0.3047,

3.1072, 0.2727,

0.3091

0.2415

415.3753, 0.3051,
0.3101

■ 1.1880, 0.2577,
0.2143

■ 0.0518, 0.1994,
0.0374

■ 77.3190, 0.2993,
0.2965

■ 77.3190, 0.2993,
0.2965

■ 61.9078, 0.2867,
0.2677

■ 95.0802, 0.3102,
0.3228

■ 48.7370, 0.2725,
0.2367

99.9990, 0.3127,
0.3290

■ 37.7026, 0.2568,
0.2044

■ 28.6885, 0.2400,
0.1721

■ 21.5672, 0.2227,
0.1414

■ 16.1962, 0.2060,
0.1144

■ 12.4120, 0.1908,
0.0930

■ 10.0179, 0.1780,
0.0782

■ 8.9276, 0.1702,
0.0711

Harmonies

Analogous

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



77.3190, 0.2832, 0.2961



77.3190, 0.2993, 0.2965



77.3190, 0.3195, 0.3049

Triad

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



77.3190, 0.2993, 0.2965



77.3190, 0.3519, 0.3522



77.3190, 0.2873, 0.3385

Complementary

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



77.3190, 0.2993, 0.2965



96.2394, 0.3250, 0.3608

Split Complementary

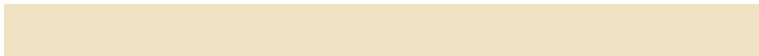
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



77.3190, 0.3051, 0.3551



77.3190, 0.2993, 0.2965



77.3190, 0.3426, 0.3626

Square

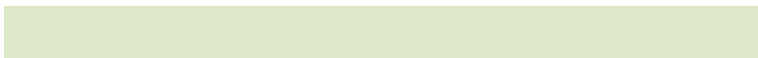
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



77.3190, 0.2993, 0.2965



77.3190, 0.3504, 0.3363



77.3190, 0.3253, 0.3639



77.3190, 0.2764, 0.3198

Rectangle

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



77.3190, 0.2993, 0.2965



77.3190, 0.3326, 0.3139



77.3190, 0.3253, 0.3639



77.3190, 0.2926, 0.3446

Sweetspot

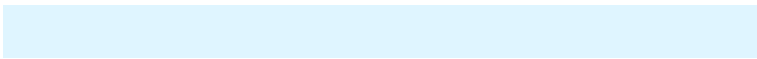
The Sweet Spot groups the original color and five complimentary colors.



77.3223, 0.2993, 0.2965



92.3609, 0.3087, 0.3191



88.4460, 0.2932, 0.3192



19.4708, 0.3079, 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.



77.3223, 0.2993, 0.2965



73.3357, 0.2964, 0.2897



80.0557, 0.3098, 0.2975



17.6544, 0.3028, 0.3048



4.7350, 0.1717, 0.0720



0.5162, 0.1837, 0.0785

Inverse Universe

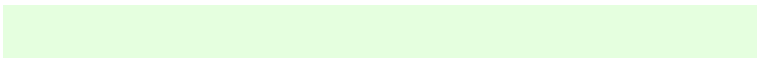
The Inverse Universe completely reimagines the original color for something new.



80.6188, 0.3207, 0.3075



77.2273, 0.3225, 0.3031



93.5605, 0.3152, 0.3617



18.1976, 0.3186, 0.3128



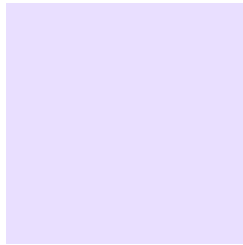
12.7527, 0.4202, 0.2088



1.2615, 0.4060, 0.2010

Previews

White Background



This preview shows how the Yxy color 77.3190, 0.2993, 0.2965 looks on a white background.

Color Contrast Check

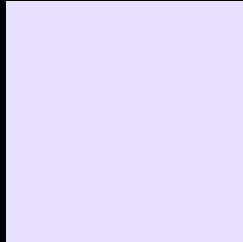
Large Text (above 18pt) WCAG AA × Fail

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 77.3190, 0.2993, 0.2965 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

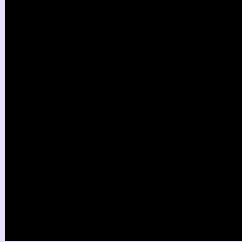
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 77.3190, 0.2993, 0.2965

Background



This preview shows how black text looks on a background with the Yxy color 77.3190, 0.2993, 0.2965.

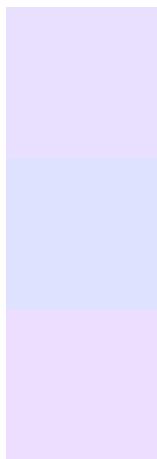


This preview shows how white text looks on a background with the Yxy color 77.3190, 0.2993, 0.2965.

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

77.3190, 0.2993, 0.2965

Protanopia

77.3007, 0.2927, 0.2990

Deuteranopia

77.4671, 0.3019, 0.2957



Tritanopia

77.3104, 0.3054, 0.3104

Trichromacy



Original Color

77.3190, 0.2993, 0.2965

Protanomaly

77.4013, 0.2953, 0.2982

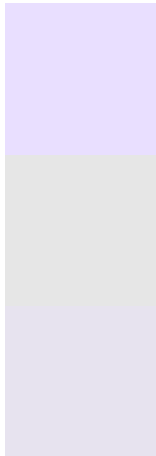
Deuteranomaly

77.2954, 0.3013, 0.2957

Tritanomaly

77.1825, 0.3035, 0.3054

Monochromacy



Original Color

77.3190, 0.2993, 0.2965

Achromatopsia

79.1298, 0.3127, 0.3290

Achromatomaly

78.1591, 0.3078, 0.3166

CSS Examples

Text

The CSS property to change the color of the text to Yxy 77.3190, 0.2993, 0.2965 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(233, 223, 255)` looks like.

```
.text, #text, p{  
    color:rgb(233, 223, 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(233, 223, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 223, 255) }
```

Border

The CSS property to change the border of an element to Yxy 77.3190, 0.2993, 0.2965 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(233, 223, 255) }
```

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

```
.border{ border-color:rgb(233, 223, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(233, 223, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 223, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 223, 255);  
box-shadow:4px 4px 4px 4px rgb(233, 223,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 77.3190, 0.2993, 0.2965 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 223, 255) }
```

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

```
.background{ background-color: rgb(233,  
223, 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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