

Converting Colors

$Yxy(77.8098, 0.2976, 0.3002)$

Have a look what the booklet for
Yxy(77.8098, 0.2976, 0.3002)
contains.

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Color

Yxy(77.6003, 0.2978, 0.3003)

Conversions

Conversions Part 1

Format	Color
Hex	E5E1FD
RGB	229, 225, 253
RGB Percent	90%, 88%, 99%
CMY	0.1022, 0.1176, 0.0078
CMYK	0.10, 0.11, 0.00, 0.01
HSL	248°, 88%, 94%
HSV	248°, 11%, 99%
XYZ	76.9543, 77.6003, 103.8547
YIQ	229.3880, -6.6040, 9.5560

Conversions

Conversions Part 2

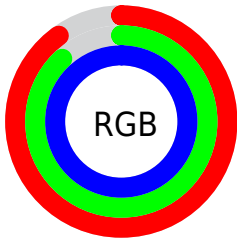
Format	Color
R _Y B	229, 225, 253
Decimal	15065597
CIE Lab	90.60, 6.55, -13.08
CIE LCh	91, 14.630, 296.578
Yxy	77.6003, 0.2978, 0.3003
Android (android.graphics.Color)	4293255677 (0xFFE5E1FD)
YUV	229.3880, 11.6407, -0.3403
Hunter-Lab	88.0910, 1.7741, -8.2361

Details

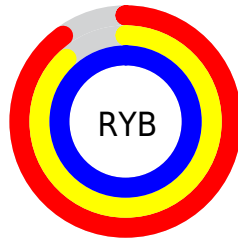
The Yxy color **77.6003, 0.2978, 0.3003** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **95.8475, 0.3267, 0.3566**, and the grayscale version is **78.5682, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **41.6192, 0.2943, 0.2946** is the 20% darker color. If you saturate the color by 10%, you get **61.5643, 0.2823, 0.2711**, and if you desaturate by 10%, it is **96.1181, 0.3114, 0.3264**.

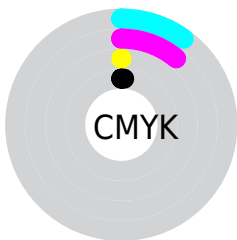
Distribution



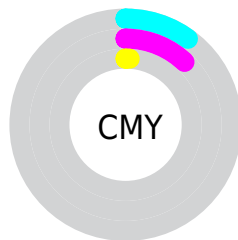
- Red (90%)
- Green (88%)
- Blue (99%)



- Red (90%)
- Yellow (88%)
- Blue (99%)



- Cyan (10%)
- Magenta (11%)
- Yellow (0%)
- Black (1%)



- Cyan (10%)
- Magenta (12%)
- Yellow (1%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 77.6003, 0.2978, 0.3003 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 77.6003, 0.2978, 0.3003 by changing the saturation by 10% instead.

■ 77.6003, 0.2978,
0.3003

■ 77.6003, 0.2978,
0.3003

486.8083, 0.3047,
0.3132

■ 57.7457, 0.2962,
0.2974

129.9865, 0.3002,
0.3047

■ 41.6042, 0.2943,
0.2939

163.2869, 0.3011,
0.3065

■ 28.7915, 0.2919,
0.2895

201.8380, 0.3019,
0.3080

■ 18.9232, 0.2887,
0.2839

246.0243, 0.3026,
0.3093

■ 11.6148, 0.2845,
0.2765

296.2300, 0.3032,
0.3104

■ 6.4819, 0.2784,
0.2661

352.8397, 0.3038,

■ 3.1403, 0.2691,

0.3115

0.2506

416.2377, 0.3042,
0.3124

■ 1.2054, 0.2532,
0.2255

■ 0.0661, 0.1745,
0.0518

■ 77.6003, 0.2978,
0.3003

■ 77.6003, 0.2978,
0.3003

■ 61.5643, 0.2823,
0.2711

■ 96.1181, 0.3114,
0.3264

■ 47.8951, 0.2649,
0.2391

99.8722, 0.3139,
0.3309

■ 36.4830, 0.2459,
0.2051

■ 27.2057, 0.2260,
0.1705

■ 19.9294, 0.2062,
0.1374

■ 14.5051, 0.1880,
0.1082

■ 10.7624, 0.1725,
0.0851

■ 8.4989, 0.1611,
0.0699

■ 7.4572, 0.1546,
0.0625

Harmonies

Analogous

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



77.6003, 0.2851, 0.3017



77.6003, 0.2978, 0.3003



77.6003, 0.3148, 0.3061

Triad

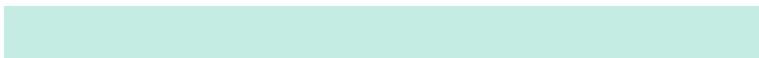
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



77.6003, 0.2978, 0.3003



77.6003, 0.3468, 0.3463



77.6003, 0.2938, 0.3406

Complementary

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



77.6003, 0.2978, 0.3003



95.8475, 0.3267, 0.3566

Split Complementary

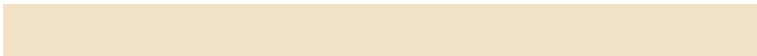
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



77.6003, 0.3099, 0.3535



77.6003, 0.2978, 0.3003



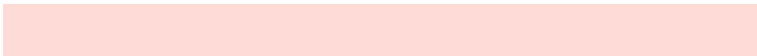
77.6003, 0.3408, 0.3565

Square

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



77.6003, 0.2978, 0.3003



77.6003, 0.3435, 0.3322



77.6003, 0.3272, 0.3593



77.6003, 0.2829, 0.3246

Rectangle

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



77.6003, 0.2978, 0.3003



77.6003, 0.3263, 0.3133



77.6003, 0.3272, 0.3593



77.6003, 0.2988, 0.3455

Sweetspot

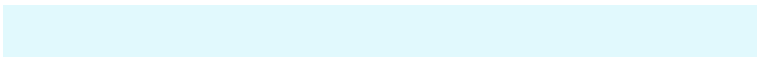
The Sweet Spot groups the original color and five complimentary colors.



77.6036, 0.2978, 0.3003



93.9894, 0.3089, 0.3216



91.0249, 0.2956, 0.3252



19.7823, 0.3079, 0.3196



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.



77.6036, 0.2978, 0.3003



75.6314, 0.2949, 0.2949



79.9645, 0.3070, 0.3011



17.4997, 0.3000, 0.3046



4.0027, 0.1554, 0.0630



0.4249, 0.1636, 0.0675

Inverse Universe

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



81.5916, 0.3165, 0.3054



80.3475, 0.3173, 0.3012



93.4022, 0.3178, 0.3573



18.2540, 0.3160, 0.3088



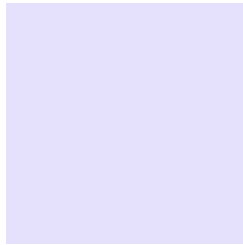
13.8060, 0.3599, 0.1756



1.3558, 0.3547, 0.1728

Previews

White Background



This preview shows how the Yxy color 77.6003, 0.2978, 0.3003 looks on a white background.

Color Contrast Check

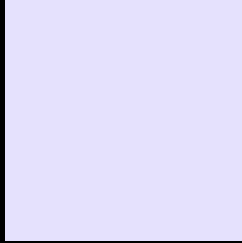
Large Text (above 18pt) WCAG AA × Fail

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 77.6003, 0.2978, 0.3003 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

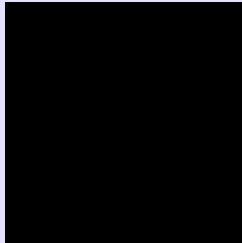
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 77.6003, 0.2978, 0.3003

Background



This preview shows how black text looks on a background with the Yxy color 77.6003, 0.2978, 0.3003.

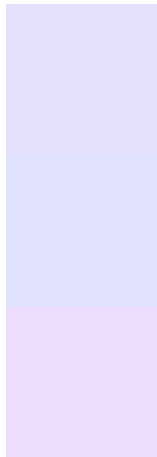


This preview shows how white text looks on a background with the Yxy color 77.6003, 0.2978, 0.3003.

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

77.6003, 0.2978, 0.3003

Protanopia

77.3958, 0.2940, 0.3001

Deuteranopia

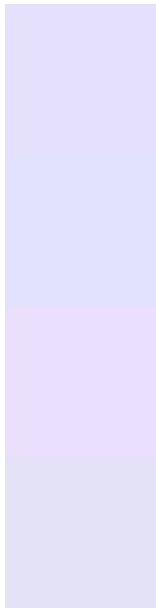
77.5755, 0.3032, 0.2968



Tritanopia

77.4183, 0.3027, 0.3103

Trichromacy



Original Color

77.6003, 0.2978, 0.3003

Protanomaly

77.7172, 0.2953, 0.3002

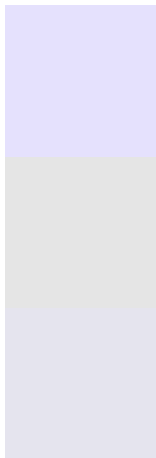
Deuteranomaly

77.5933, 0.3012, 0.2976

Tritanomaly

77.6021, 0.3008, 0.3073

Monochromacy



Original Color

77.6003, 0.2978, 0.3003

Achromatopsia

78.3538, 0.3127, 0.3290

Achromatomaly

78.3179, 0.3071, 0.3186

CSS Examples

Text

The CSS property to change the color of the text to Yxy 77.6003, 0.2978, 0.3003 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(229, 225, 253)` looks like.

```
.text, #text, p{  
    color:rgb(229, 225, 253)  
}
```

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(229, 225, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 225, 253) }
```

Border

The CSS property to change the border of an element to Yxy 77.6003, 0.2978, 0.3003 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(229, 225, 253) }
```

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

```
.border{ border-color:rgb(229, 225, 253) }
```

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

Here you see how a box with a 4 pixel rgb(229, 225, 253) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 225, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 225, 253);  
box-shadow:4px 4px 4px 4px rgb(229, 225,  
253) }
```


Background

The CSS property to change the background color of an element to Yxy 77.6003, 0.2978, 0.3003 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 225, 253) }
```

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

```
.background{ background-color: rgb(229,  
225, 253) }
```

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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