

Converting Colors

$Yxy(82.9677, 0.2701, 0.2471)$

Have a look what the booklet for
Yxy(82.9677, 0.2701, 0.2471)
contains.

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Color

Yxy(78.7085, 0.3026, 0.2978)

Conversions

Conversions Part 1

Format	Color
Hex	EEE0FF
RGB	238, 224, 255
RGB Percent	93%, 88%, 100%
CMY	0.0665, 0.1216, 0.0000
CMYK	0.07, 0.12, 0.00, 0.00
HSL	267°, 100%, 94%
HSV	267°, 12%, 100%
XYZ	79.9771, 78.7085, 105.6142
YIQ	231.7200, -1.6070, 12.6090

Conversions

Conversions Part 2

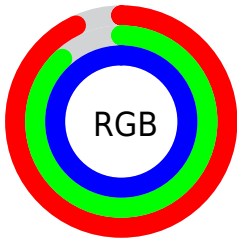
Format	Color
R _Y B	238, 224, 255
Decimal	15655167
CIE Lab	91.10, 10.39, -13.32
CIE LCh	91, 16.894, 307.964
Yxy	78.7085, 0.3026, 0.2978
Android (android.graphics.Color)	4293845247 (0xFFEEE0FF)
YUV	231.7200, 11.4770, 5.5076
Hunter-Lab	88.7178, 5.6576, -8.4794

Details

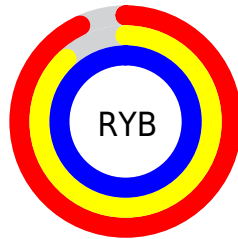
The Yxy color $78.7085, 0.3026, 0.2978$ is a light color, and the websafe version is hex `CCCCFF`. A complement of this color would be $95.5955, 0.3219, 0.3600$, and the grayscale version is $80.3921, 0.3127, 0.3290$.

A 20% lighter version of the original color is $100.0000, 0.3127, 0.3290$, and $42.3982, 0.3004, 0.2916$ is the 20% darker color. If you saturate the color by 10%, you get $63.6928, 0.2928, 0.2698$, and if you desaturate by 10%, it is $95.9688, 0.3111, 0.3237$.

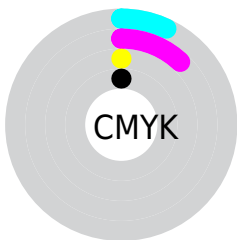
Distribution



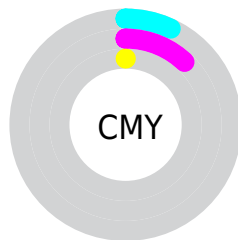
- Red (93%)
- Green (88%)
- Blue (100%)



- Red (93%)
- Yellow (88%)
- Blue (100%)



- Cyan (7%)
- Magenta (12%)
- Yellow (0%)
- Black (0%)




- Cyan (7%)
- Magenta (12%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 78.7085, 0.3026, 0.2978 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 78.7085, 0.3026, 0.2978 by changing the saturation by 10% instead.

 78.7085, 0.3026,
0.2978

 78.7085, 0.3026,
0.2978


490.5697, 0.3073,
0.3117

 58.6562, 0.3015,
0.2947


131.5484, 0.3042,
0.3025

 42.3364, 0.3002,
0.2910


165.1048, 0.3049,
0.3044

 29.3648, 0.2985,
0.2863


203.9313, 0.3054,
0.3060

 19.3570, 0.2963,
0.2804

248.4123, 0.3059,
0.3075

 11.9285, 0.2933,
0.2725

298.9323, 0.3063,
0.3087

 6.6950, 0.2889,
0.2617

355.8756, 0.3067,

 3.2721, 0.2822,

0.3098

0.2458

419.6266, 0.3070,
0.3108

■ 1.2754, 0.2705,
0.2204

■ 0.1220, 0.2371,
0.0783

■ 78.7085, 0.3026,
0.2978

■ 78.7085, 0.3026,
0.2978

■ 63.6928, 0.2928,
0.2698

■ 95.9688, 0.3111,
0.3237

■ 50.8233, 0.2815,
0.2401

100.0000, 0.3127,
0.3290

■ 39.9986, 0.2690,
0.2094

■ 31.1077, 0.2553,
0.1791

■ 24.0285, 0.2409,
0.1504

■ 18.6248, 0.2265,
0.1252

■ 14.7398, 0.2127,
0.1049

■ 12.1851, 0.2002,
0.0905

■ 10.8951, 0.1915,
0.0829

Harmonies

Analogous

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



78.7085, 0.2857, 0.2961



78.7085, 0.3026, 0.2978



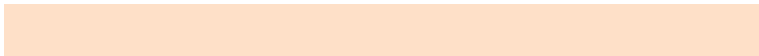
78.7085, 0.3227, 0.3072

Triad

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



78.7085, 0.3026, 0.2978



78.7085, 0.3505, 0.3540



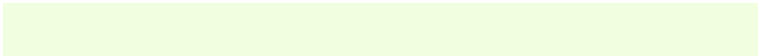
78.7085, 0.2854, 0.3354

Complementary

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



78.7085, 0.3026, 0.2978



95.5955, 0.3219, 0.3600

Split Complementary

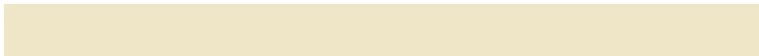
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



78.7085, 0.3020, 0.3524



78.7085, 0.3026, 0.2978



78.7085, 0.3398, 0.3630

Square

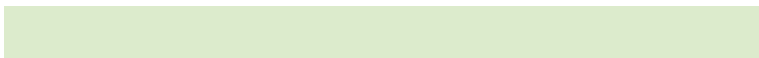
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



78.7085, 0.3026, 0.2978



78.7085, 0.3509, 0.3390



78.7085, 0.3219, 0.3626



78.7085, 0.2760, 0.3171

Rectangle

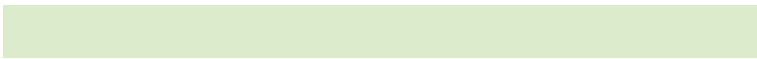
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



78.7085, 0.3026, 0.2978



78.7085, 0.3352, 0.3166



78.7085, 0.3219, 0.3626



78.7085, 0.2903, 0.3415

Sweetspot

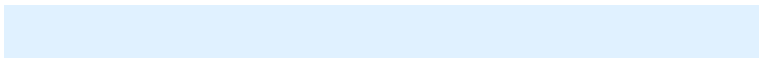
The Sweet Spot groups the original color and five complimentary colors.



78.7095, 0.3026, 0.2978



92.6205, 0.3096, 0.3191



86.0042, 0.2937, 0.3148



19.5364, 0.3090, 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.



78.7095, 0.3026, 0.2978



74.2207, 0.3000, 0.2901



81.4942, 0.3131, 0.2988



17.7804, 0.3050, 0.3049



5.7789, 0.1932, 0.0838



0.6265, 0.2058, 0.0907

Inverse Universe

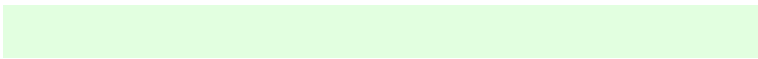
The Inverse Universe completely reimagines the original color for something new.



80.9157, 0.3233, 0.3123



76.9114, 0.3262, 0.3083



92.9963, 0.3122, 0.3609



18.1534, 0.3208, 0.3161



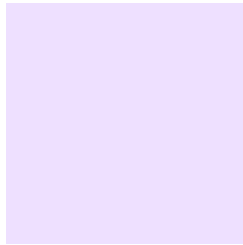
12.1219, 0.4764, 0.2398



1.2023, 0.4537, 0.2273

Previews

White Background



This preview shows how the Yxy color 78.7085, 0.3026, 0.2978 looks on a white background.

Color Contrast Check

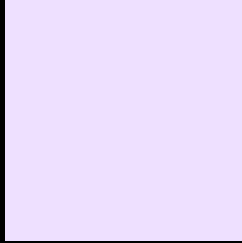
Large Text (above 18pt) WCAG AA × Fail

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 78.7085, 0.3026, 0.2978 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

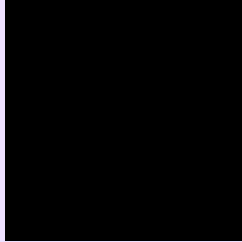
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 78.7085, 0.3026, 0.2978

Background



This preview shows how black text looks on a background with the Yxy color 78.7085, 0.3026, 0.2978.

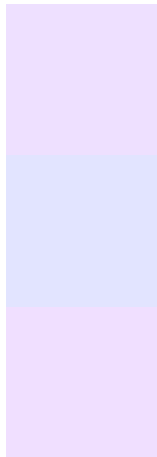


This preview shows how white text looks on a background with the Yxy color 78.7085, 0.3026, 0.2978.

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

78.7085, 0.3026, 0.2978

Protanopia

78.8756, 0.2947, 0.3013

Deuteranopia

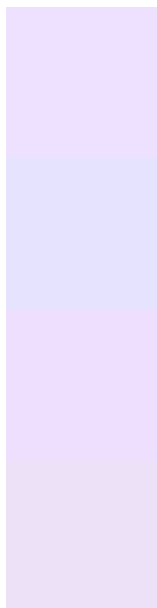
78.5206, 0.3040, 0.2970



Tritanopia

78.7572, 0.3081, 0.3106

Trichromacy



Original Color

78.7085, 0.3026, 0.2978

Protanomaly

78.9812, 0.2973, 0.3005

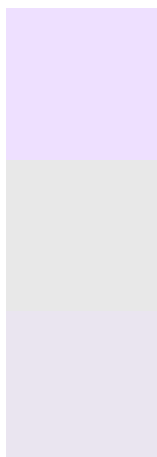
Deuteranomaly

78.3461, 0.3033, 0.2969

Tritanomaly

78.6323, 0.3063, 0.3057

Monochromacy



Original Color

78.7085, 0.3026, 0.2978

Achromatopsia

80.6952, 0.3127, 0.3290

Achromatomaly

79.8223, 0.3092, 0.3177

CSS Examples

Text

The CSS property to change the color of the text to Yxy 78.7085, 0.3026, 0.2978 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, 224, 255)` looks like.

```
.text, #text, p{  
    color:rgb(238, 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(238, 224, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 224, 255) }
```

Border

The CSS property to change the border of an element to Yxy 78.7085, 0.3026, 0.2978 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, 224, 255) }
```

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

```
.border{ border-color:rgb(238, 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(238, 224, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(238, 224, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(238, 224, 255);  
box-shadow:4px 4px 4px 4px rgb(238, 224,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 78.7085, 0.3026, 0.2978 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(238, 224, 255) }
```

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

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