

Converting Colors

Yxy(81.4906, 0.2731, 0.2563)

Have a look what the booklet for
Yxy(81.4906, 0.2731, 0.2563)
contains.

Yxy(78.3941, 0.2993, 0.2986)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(78.3941, 0.2993, 0.2986)

Conversions

Conversions Part 1

Format	Color
Hex	E9E1FF
RGB	233, 225, 255
RGB Percent	91%, 88%, 100%
CMY	0.0862, 0.1176, 0.0001
CMYK	0.09, 0.12, 0.00, 0.00
HSL	256°, 100%, 94%
HSV	256°, 12%, 100%
XYZ	78.5779, 78.3941, 105.5669
YIQ	230.8120, -4.8620, 11.0260

Conversions

Conversions Part 2

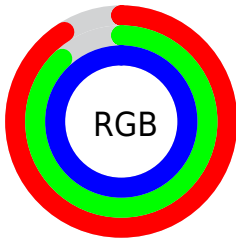
Format	Color
R_{YB}	233, 225, 255
Decimal	15327743
CIE _{Lab}	90.96, 8.24, -13.54
CIE _{LCh}	91, 15.846, 301.329
Y _{xy}	78.3941, 0.2993, 0.2986
Android (android.graphics.Color)	4293517823 (0xFFE9E1FF)
Y _{UV}	230.8120, 11.9247, 1.9189
Hunter-Lab	88.5404, 3.4694, -8.7132

Details

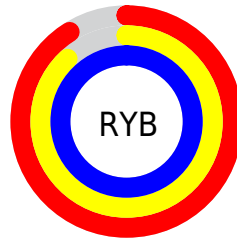
The Yxy color $78.3941, 0.2993, 0.2986$ is a light color, and the websafe version is hex `CCCCFF`. A complement of this color would be $96.7002, 0.3252, 0.3586$, and the grayscale version is $79.6788, 0.3127, 0.3290$.

A 20% lighter version of the original color is $100.0000, 0.3127, 0.3290$, and $42.1738, 0.2961, 0.2925$ is the 20% darker color. If you saturate the color by 10%, you get $62.6459, 0.2860, 0.2698$, and if you desaturate by 10%, it is $96.5401, 0.3109, 0.3247$.

Distribution



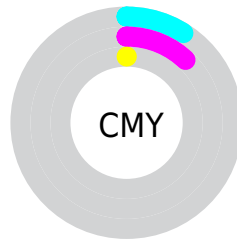
- Red (91%)
- Green (88%)
- Blue (100%)



- 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 78.3941, 0.2993, 0.2986 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 78.3941, 0.2993, 0.2986 by changing the saturation by 10% instead.


 78.3941, 0.2993,
0.2986

 78.3941, 0.2993,
0.2986


489.5042, 0.3055,
0.3122

 58.3978, 0.2979,
0.2956


131.1055, 0.3014,
0.3032

 42.1285, 0.2962,
0.2919


164.5894, 0.3023,
0.3051

 29.2019, 0.2940,
0.2873


203.3380, 0.3030,
0.3067

 19.2336, 0.2911,
0.2815

247.7356, 0.3036,
0.3081

 11.8392, 0.2872,
0.2737

298.1666, 0.3042,
0.3093

 6.6343, 0.2817,
0.2630

355.0154, 0.3047,

 3.2345, 0.2733,

0.3104

0.2471

418.6665, 0.3051,
0.3114

■ 1.2553, 0.2588,
0.2217

■ 0.1062, 0.2050,
0.0721

■ 78.3941, 0.2993,
0.2986

■ 78.3941, 0.2993,
0.2986

■ 62.6459, 0.2860,
0.2698

■ 96.5401, 0.3109,
0.3247

■ 49.1842, 0.2709,
0.2386

99.9977, 0.3127,
0.3290

■ 37.9039, 0.2543,
0.2058

■ 28.6875, 0.2366,
0.1728

■ 21.4060, 0.2186,
0.1413

■ 15.9160, 0.2013,
0.1134

■ 12.0530, 0.1857,
0.0912

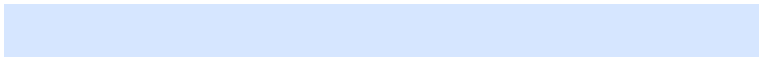
■ 9.6204, 0.1729,
0.0759

■ 8.4525, 0.1648,
0.0682

Harmonies

Analogous

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



78.3941, 0.2847, 0.2988



78.3941, 0.2993, 0.2986



78.3941, 0.3179, 0.3060

Triad

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



78.3941, 0.2993, 0.2986



78.3941, 0.3492, 0.3498



78.3941, 0.2900, 0.3388

Complementary

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



78.3941, 0.2993, 0.2986



96.7002, 0.3252, 0.3586

Split Complementary

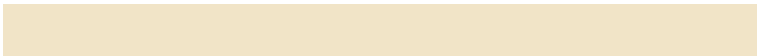
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



78.3941, 0.3067, 0.3538



78.3941, 0.2993, 0.2986



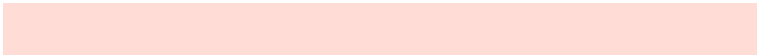
78.3941, 0.3411, 0.3597

Square

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



78.3941, 0.2993, 0.2986



78.3941, 0.3472, 0.3349



78.3941, 0.3255, 0.3614



78.3941, 0.2794, 0.3215

Rectangle

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



78.3941, 0.2993, 0.2986



78.3941, 0.3302, 0.3142



78.3941, 0.3255, 0.3614



78.3941, 0.2951, 0.3444

Sweetspot

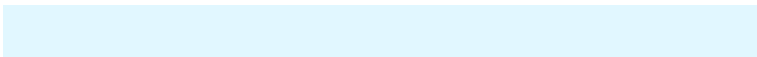
The Sweet Spot groups the original color and five complimentary colors.



78.3974, 0.2993, 0.2986



92.2739, 0.3084, 0.3191



89.7329, 0.2945, 0.3209



19.4489, 0.3076, 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.



78.3974, 0.2993, 0.2986



74.6721, 0.2965, 0.2923



81.0230, 0.3093, 0.2995



17.6126, 0.3020, 0.3047



4.4797, 0.1662, 0.0689



0.4869, 0.1774, 0.0751

Inverse Universe

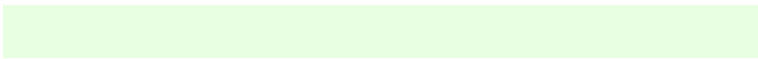
The Inverse Universe completely reimagines the original color for something new.



81.8195, 0.3193, 0.3076



78.7002, 0.3207, 0.3033



94.0892, 0.3156, 0.3595



18.2126, 0.3179, 0.3117



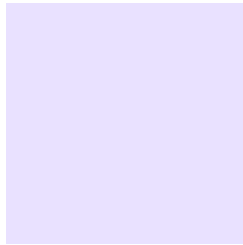
13.0059, 0.4027, 0.1992



1.2845, 0.3913, 0.1929

Previews

White Background



This preview shows how the Yxy color 78.3941, 0.2993, 0.2986 looks on a white background.

Color Contrast Check

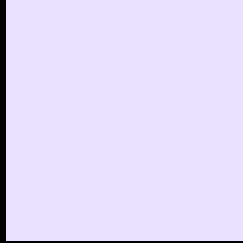
Large Text (above 18pt) WCAG AA × Fail

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 78.3941, 0.2993, 0.2986 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

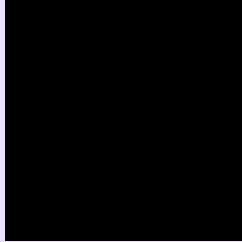
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 78.3941, 0.2993, 0.2986

Background



This preview shows how black text looks on a background with the Yxy color 78.3941, 0.2993, 0.2986.

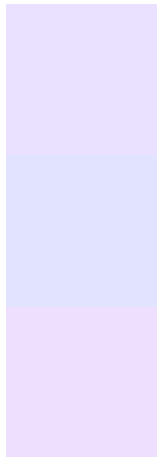


This preview shows how white text looks on a background with the Yxy color 78.3941, 0.2993, 0.2986.

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

78.3941, 0.2993, 0.2986

Protanopia

78.1657, 0.2941, 0.3002

Deuteranopia

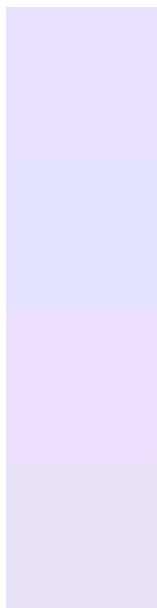
78.3461, 0.3033, 0.2969



Tritanopia

78.5197, 0.3041, 0.3105

Trichromacy



Original Color

78.3941, 0.2993, 0.2986

Protanomaly

78.1067, 0.2960, 0.2993

Deuteranomaly

78.5358, 0.3019, 0.2978

Tritanomaly

78.3881, 0.3023, 0.3055

Monochromacy



Original Color

78.3941, 0.2993, 0.2986

Achromatopsia

79.9103, 0.3127, 0.3290

Achromatomaly

79.4857, 0.3078, 0.3176

CSS Examples

Text

The CSS property to change the color of the text to Yxy 78.3941, 0.2993, 0.2986 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, 225, 255)` looks like.

```
.text, #text, p{  
    color:rgb(233, 225, 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, 225, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 225, 255) }
```

Border

The CSS property to change the border of an element to Yxy 78.3941, 0.2993, 0.2986 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, 225, 255) }
```

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

```
.border{ border-color:rgb(233, 225, 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, 225, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 225, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 225, 255);  
box-shadow:4px 4px 4px 4px rgb(233, 225,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 78.3941, 0.2993, 0.2986 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 225, 255) }
```

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

```
.background{ background-color: rgb(233,  
225, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor