

Converting Colors

$Y_{xy}(75.5442, 0.2936, 0.2973)$

Have a look what the booklet for
Yxy(75.5442, 0.2936, 0.2973)
contains.

Yxy(75.5552, 0.2939, 0.2978)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(75.5552, 0.2939, 0.2978)

Conversions

Conversions Part 1

Format	Color
Hex	DFDFFD
RGB	223, 223, 253
RGB Percent	87%, 87%, 99%
CMY	0.1252, 0.1256, 0.0078
CMYK	0.12, 0.12, 0.00, 0.01
HSL	240°, 88%, 93%
HSV	240°, 12%, 99%
XYZ	74.5657, 75.5552, 103.5903
YIQ	226.4200, -9.6300, 9.3300

Conversions

Conversions Part 2

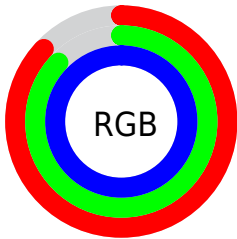
Format	Color
R _Y B	223, 223, 253
Decimal	14671869
CIE Lab	89.65, 5.75, -14.55
CIE LCh	90, 15.640, 291.555
Yxy	75.5552, 0.2939, 0.2978
Android (android.graphics.Color)	4292861949 (0xFFDFDFFD)
YUV	226.4200, 13.1039, -2.9993
Hunter-Lab	86.9225, 1.0103, -9.8134

Details

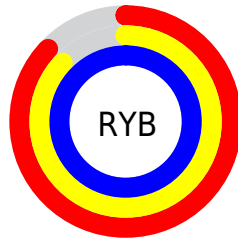
The Yxy color $75.5552, 0.2939, 0.2978$ is a light color, and the websafe version is hex `CCCCFF`. A complement of this color would be $96.4528, 0.3304, 0.3584$, and the grayscale version is $76.2905, 0.3127, 0.3290$.

A 20% lighter version of the original color is $100.0000, 0.3127, 0.3290$, and $40.3156, 0.2900, 0.2915$ is the 20% darker color. If you saturate the color by 10%, you get $59.3202, 0.2757, 0.2677$, and if you desaturate by 10%, it is $94.4136, 0.3100, 0.3244$.

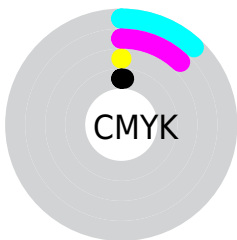
Distribution



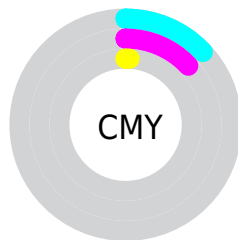
- Red (87%)
- Green (87%)
- Blue (99%)



- Red (87%)
- Yellow (87%)
- Blue (99%)



- Cyan (12%)
- Magenta (12%)
- Yellow (0%)
- Black (1%)



- Cyan (13%)
- Magenta (13%)
- Yellow (1%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 75.5552, 0.2939, 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 75.5552, 0.2939, 0.2978 by changing the saturation by 10% instead.

■ 75.5552, 0.2939,
0.2978

■ 75.5552, 0.2939,
0.2978

479.8237, 0.3026,
0.3119

■ 56.0678, 0.2919,
0.2946

127.0980, 0.2969,
0.3026

■ 40.2573, 0.2895,
0.2908

159.9222, 0.2981,
0.3045

■ 27.7392, 0.2864,
0.2860

197.9608, 0.2991,
0.3062

■ 18.1292, 0.2824,
0.2798

241.5982, 0.3000,
0.3076

■ 11.0428, 0.2770,
0.2715

291.2188, 0.3007,
0.3089

■ 6.0956, 0.2693,
0.2599

347.2070, 0.3014,

■ 2.9033, 0.2575,

0.3100

0.2427

409.9471, 0.3020,
0.3110

■ 1.0815, 0.2374,
0.2145

■ 0.0000, 0.0961,
0.0000

■ 75.5552, 0.2939,
0.2978

■ 75.5552, 0.2939,
0.2978

■ 59.3202, 0.2757,
0.2677

■ 94.4136, 0.3100,
0.3244

■ 45.5835, 0.2557,
0.2345

99.8726, 0.3139,
0.3309

■ 34.2240, 0.2343,
0.1991

■ 25.1068, 0.2126,
0.1632

■ 18.0835, 0.1920,
0.1292

■ 12.9880, 0.1744,
0.1000

■ 9.6289, 0.1611,
0.0781

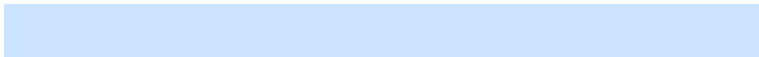
■ 7.7756, 0.1531,
0.0650

■ 7.0973, 0.1501,
0.0600

Harmonies

Analogous

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



75.5552, 0.2814, 0.3006



75.5552, 0.2939, 0.2978



75.5552, 0.3117, 0.3029

Triad

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



75.5552, 0.2939, 0.2978



75.5552, 0.3496, 0.3453



75.5552, 0.2950, 0.3442

Complementary

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



75.5552, 0.2939, 0.2978



96.4528, 0.3304, 0.3584

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.



75.5552, 0.3129, 0.3572



75.5552, 0.2939, 0.2978



75.5552, 0.3447, 0.3572

Square

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



75.5552, 0.2939, 0.2978



75.5552, 0.3443, 0.3297



75.5552, 0.3311, 0.3619



75.5552, 0.2820, 0.3271

Rectangle

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



75.5552, 0.2939, 0.2978



75.5552, 0.3243, 0.3099



75.5552, 0.3311, 0.3619



75.5552, 0.3006, 0.3493

Sweetspot

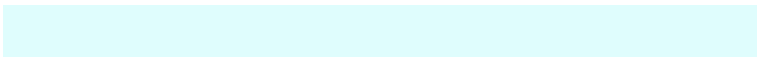
The Sweet Spot groups the original color and five complimentary colors.



75.5584, 0.2939, 0.2978



91.7857, 0.3067, 0.3190



93.0356, 0.2945, 0.3289



19.3259, 0.3055, 0.3171



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.



75.5584, 0.2939, 0.2978



73.1625, 0.2902, 0.2917



78.0358, 0.3039, 0.2987



17.3803, 0.2979, 0.3044



3.7762, 0.1501, 0.0601



0.3685, 0.1503, 0.0602

Inverse Universe

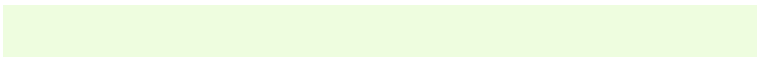
The Inverse Universe completely reimagines the original color for something new.



80.7383, 0.3141, 0.2998



79.2930, 0.3144, 0.2944



93.7612, 0.3208, 0.3593



18.2994, 0.3139, 0.3057



14.8569, 0.3216, 0.1546



1.4468, 0.3216, 0.1545

Previews

White Background



This preview shows how the Yxy color 75.5552, 0.2939, 0.2978 looks on a white background.

Color Contrast Check

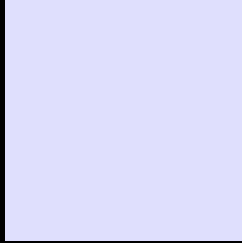
Large Text (above 18pt) WCAG AA × Fail

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 75.5552, 0.2939, 0.2978 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

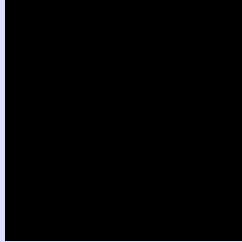
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 75.5552, 0.2939, 0.2978

Background



This preview shows how black text looks on a background with the Yxy color 75.5552, 0.2939, 0.2978.

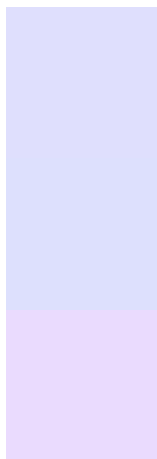


This preview shows how white text looks on a background with the Yxy color 75.5552, 0.2939, 0.2978.

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

75.5552, 0.2939, 0.2978

Protanopia

75.7753, 0.2926, 0.2988

Deuteranopia

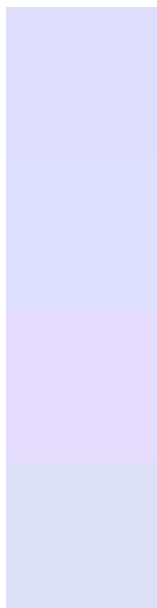
75.3112, 0.3006, 0.2934



Tritanopia

75.6936, 0.2986, 0.3100

Trichromacy



Original Color

75.5552, 0.2939, 0.2978

Protanomaly

75.9328, 0.2932, 0.2988

Deuteranomaly

75.1652, 0.2979, 0.2941

Tritanomaly

75.5563, 0.2969, 0.3049

Monochromacy



Original Color

75.5552, 0.2939, 0.2978

Achromatopsia

76.0525, 0.3127, 0.3290

Achromatomaly

75.9141, 0.3057, 0.3174

CSS Examples

Text

The CSS property to change the color of the text to Yxy 75.5552, 0.2939, 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(223, 223, 253)` looks like.

```
.text, #text, p{  
    color:rgb(223, 223, 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(223, 223, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 223, 253) }
```

Border

The CSS property to change the border of an element to Yxy 75.5552, 0.2939, 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(223, 223, 253) }
```

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

```
.border{ border-color:rgb(223, 223, 253) }
```

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

Here you see how a box with a 4 pixel rgb(223, 223, 253) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(223, 223, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(223, 223, 253);  
box-shadow:4px 4px 4px 4px rgb(223, 223,  
253) }
```


Background

The CSS property to change the background color of an element to Yxy 75.5552, 0.2939, 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(223, 223, 253) }
```

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

```
.background{ background-color: rgb(223,  
223, 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](#).

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