

Converting Colors

$Yxy(74.8443, 0.2951, 0.2970)$

Have a look what the booklet for
Yxy(74.8443, 0.2951, 0.2970)
contains.

Yxy(74.5885, 0.2951, 0.2968)	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(74.5885, 0.2951, 0.2968)

Conversions

Conversions Part 1

Format	Color
Hex	E0DDFC
RGB	224, 221, 252
RGB Percent	88%, 87%, 99%
CMY	0.1216, 0.1333, 0.0119
CMYK	0.11, 0.12, 0.00, 0.01
HSL	246°, 84%, 93%
HSV	246°, 12%, 99%
XYZ	74.1613, 74.5885, 102.5592
YIQ	225.4310, -8.1630, 10.2770

Conversions

Conversions Part 2

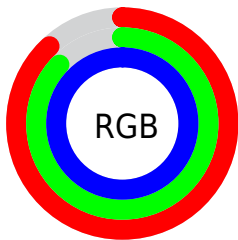
Format	Color
R _Y B	224, 221, 252
Decimal	14736892
CIE Lab	89.20, 6.86, -14.67
CIE LCh	89, 16.197, 295.064
Yxy	74.5885, 0.2951, 0.2968
Android (android.graphics.Color)	4292926972 (0xFFE0DDFC)
YUV	225.4310, 13.0985, -1.2550
Hunter-Lab	86.3646, 2.1398, -9.9524

Details

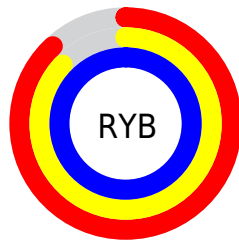
The Yxy color $74.5885, 0.2951, 0.2968$ is a light color, and the websafe version is hex `CCCCFF`. A complement of this color would be $94.9627, 0.3292, 0.3596$, and the grayscale version is $75.5298, 0.3127, 0.3290$.

A 20% lighter version of the original color is $100.0000, 0.3127, 0.3290$, and $39.6476, 0.2916, 0.2901$ is the 20% darker color. If you saturate the color by 10%, you get $58.8707, 0.2785, 0.2670$, and if you desaturate by 10%, it is $92.7966, 0.3097, 0.3234$.

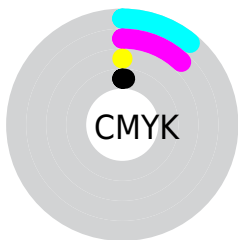
Distribution



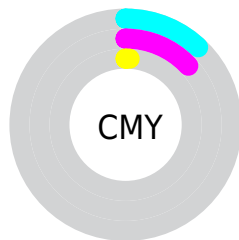
- Red (88%)
- Green (87%)
- Blue (99%)



- Red (88%)
- Yellow (87%)
- Blue (99%)



- Cyan (11%)
- Magenta (12%)
- Yellow (0%)
- Black (1%)



- Cyan (12%)
- Magenta (13%)
- Yellow (1%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 74.5885, 0.2951, 0.2968 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 74.5885, 0.2951, 0.2968 by changing the saturation by 10% instead.

74.5885, 0.2951,
0.2968

74.5885, 0.2951,
0.2968

476.5020, 0.3033,
0.3114

55.2758, 0.2932,
0.2935

125.7297, 0.2979,
0.3018

39.6226, 0.2909,
0.2896

158.3270, 0.2990,
0.3038

27.2444, 0.2880,
0.2846

196.1214, 0.3000,
0.3055

17.7569, 0.2842,
0.2782

239.4971, 0.3008,
0.3069

10.7756, 0.2791,
0.2696

288.8386, 0.3015,
0.3083

5.9161, 0.2717,
0.2576

344.5304, 0.3022,

2.7942, 0.2603,

0.3094

0.2398

406.9567, 0.3027,
0.3105

■ 1.0252, 0.2405,
0.2106

■ 0.0000, 0.0823,
0.0000

■ 74.5885, 0.2951,
0.2968

■ 74.5885, 0.2951,
0.2968

■ 58.8707, 0.2785,
0.2670

■ 92.7966, 0.3097,
0.3234

■ 45.5258, 0.2601,
0.2344

99.8065, 0.3145,
0.3319

■ 34.4413, 0.2402,
0.1998

■ 25.4916, 0.2196,
0.1648

■ 18.5388, 0.1996,
0.1317

■ 13.4288, 0.1816,
0.1029

■ 9.9849, 0.1671,
0.0808

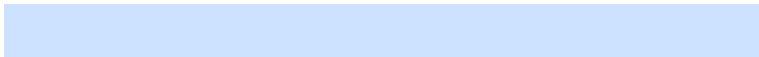
■ 7.9953, 0.1571,
0.0670

■ 7.2237, 0.1525,
0.0614

Harmonies

Analogous

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



74.5885, 0.2813, 0.2987



74.5885, 0.2951, 0.2968



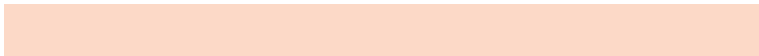
74.5885, 0.3140, 0.3029

Triad

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



74.5885, 0.2951, 0.2968



74.5885, 0.3511, 0.3476



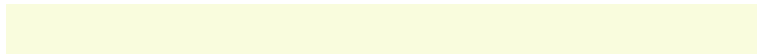
74.5885, 0.2923, 0.3429

Complementary

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



74.5885, 0.2951, 0.2968



94.9627, 0.3292, 0.3596

Split Complementary

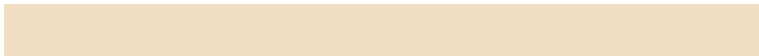
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



74.5885, 0.3105, 0.3572



74.5885, 0.2951, 0.2968



74.5885, 0.3447, 0.3594

Square

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



74.5885, 0.2951, 0.2968



74.5885, 0.3468, 0.3316



74.5885, 0.3298, 0.3632



74.5885, 0.2798, 0.3249

Rectangle

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



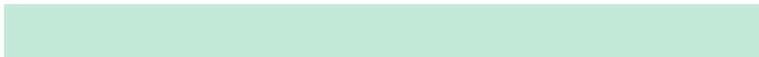
74.5885, 0.2951, 0.2968



74.5885, 0.3270, 0.3107



74.5885, 0.3298, 0.3632



74.5885, 0.2980, 0.3483

Sweetspot

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



74.5916, 0.2951, 0.2968



91.9572, 0.3073, 0.3191



90.3944, 0.2938, 0.3263



19.3690, 0.3063, 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.



74.5916, 0.2951, 0.2968



71.9998, 0.2908, 0.2890



77.1090, 0.3053, 0.2978



16.7229, 0.2994, 0.3046



3.7912, 0.1532, 0.0617



0.3771, 0.1598, 0.0654

Inverse Universe

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



79.2486, 0.3161, 0.3015



77.7421, 0.3169, 0.2952



92.3018, 0.3194, 0.3606



17.4941, 0.3153, 0.3078



13.7034, 0.3468, 0.1684



1.2773, 0.3433, 0.1665

Previews

White Background



This preview shows how the Yxy color 74.5885, 0.2951, 0.2968 looks on a white background.

Color Contrast Check

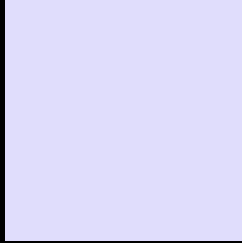
Large Text (above 18pt) WCAG AA × Fail

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 74.5885, 0.2951, 0.2968 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

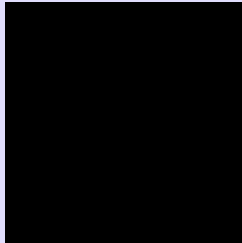
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 74.5885, 0.2951, 0.2968

Background



This preview shows how black text looks on a background with the Yxy color 74.5885, 0.2951, 0.2968.



This preview shows how white text looks on a background with the Yxy color 74.5885, 0.2951, 0.2968.

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

74.5885, 0.2951, 0.2968

Protanopia

74.3945, 0.2912, 0.2965

Deuteranopia

74.3905, 0.2998, 0.2932



Tritanopia

74.6558, 0.3005, 0.3100

Trichromacy



Original Color

74.5885, 0.2951, 0.2968

Protanomaly

74.7066, 0.2925, 0.2966

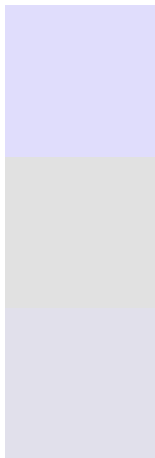
Deuteranomaly

74.4129, 0.2978, 0.2940

Tritanomaly

74.5231, 0.2987, 0.3048

Monochromacy



Original Color

74.5885, 0.2951, 0.2968

Achromatopsia

75.2942, 0.3127, 0.3290

Achromatomaly

75.3170, 0.3063, 0.3174

CSS Examples

Text

The CSS property to change the color of the text to Yxy 74.5885, 0.2951, 0.2968 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(224, 221, 252)` looks like.

```
.text, #text, p{  
    color:rgb(224, 221, 252)  
}
```

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(224, 221, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 221, 252) }
```

Border

The CSS property to change the border of an element to Yxy 74.5885, 0.2951, 0.2968 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(224, 221, 252) }
```

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

```
.border{ border-color:rgb(224, 221, 252) }
```

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

Here you see how a box with a 4 pixel rgb(224, 221, 252) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 221, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 221, 252);  
box-shadow:4px 4px 4px 4px rgb(224, 221,  
252) }
```


Background

The CSS property to change the background color of an element to Yxy 74.5885, 0.2951, 0.2968 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 221, 252) }
```

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

```
.background{ background-color: rgb(224,  
221, 252) }
```

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