

Converting Colors

$Y_{xy}(75.5452, 0.3006, 0.2925)$

Have a look what the booklet for
Yxy(75.5452, 0.3006, 0.2925)
contains.

Yxy(75.5452, 0.3006, 0.2925)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(75.5452, 0.3006, 0.2925)

Conversions

Conversions Part 1

Format	Color
Hex	EBDBFF
RGB	235, 219, 255
RGB Percent	92%, 86%, 100%
CMY	0.0785, 0.1411, 0.0000
CMYK	0.08, 0.14, 0.00, 0.00
HSL	267°, 100%, 93%
HSV	267°, 14%, 100%
XYZ	77.6372, 75.5452, 105.0918
YIQ	227.8880, -2.0200, 14.5880

Conversions

Conversions Part 2

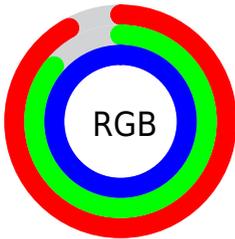
Format	Color
R _Y B	235, 219, 255
Decimal	15457279
CIE Lab	89.65, 12.01, -15.50
CIE LCh	90, 19.610, 307.777
Yxy	75.5452, 0.3006, 0.2925
Android (android.graphics.Color)	4293647359 (0xFFEBDBFF)
YUV	227.8880, 13.3662, 6.2372
Hunter-Lab	86.9167, 7.3384, -10.8463

Details

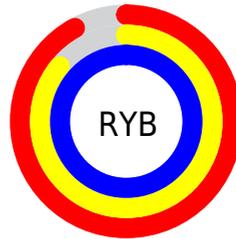
The Yxy color **75.5452, 0.3006, 0.2925** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **94.9863, 0.3236, 0.3652**, and the grayscale version is **77.3990, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **40.2118, 0.2978, 0.2847** is the 20% darker color. If you saturate the color by 10%, you get **60.9279, 0.2903, 0.2640**, and if you desaturate by 10%, it is **92.3992, 0.3095, 0.3188**.

Distribution



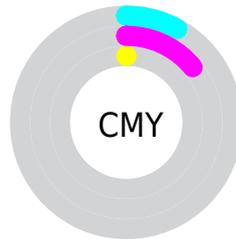
- Red (92%)
- Green (86%)
- Blue (100%)



- Red (92%)
- Yellow (86%)
- Blue (100%)



- Cyan (8%)
- Magenta (14%)
- Yellow (0%)
- Black (0%)



- Cyan (8%)
- Magenta (14%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 75.5452, 0.3006, 0.2925 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 75.5452, 0.3006, 0.2925 by changing the saturation by 10% instead.

 75.5452, 0.3006,
0.2925

 75.5452, 0.3006,
0.2925

479.7894, 0.3063,
0.3089

 56.0597, 0.2993,
0.2889

127.0838, 0.3026,
0.2981

 40.2508, 0.2976,
0.2845

159.9057, 0.3034,
0.3003

 27.7341, 0.2956,
0.2790

197.9418, 0.3040,
0.3022

 18.1253, 0.2928,
0.2720

241.5765, 0.3046,
0.3039

 11.0400, 0.2891,
0.2627

291.1942, 0.3051,
0.3053

 6.0937, 0.2837,
0.2498

347.1793, 0.3055,

 2.9022, 0.2752,

0.3066

0.2310

409.9163, 0.3059,
0.3078

■ 1.0809, 0.2602,
0.2009

■ 0.0000, 0.1972,
0.0000

■ 75.5452, 0.3006,
0.2925

■ 75.5452, 0.3006,
0.2925

■ 60.9279, 0.2903,
0.2640

■ 92.3992, 0.3095,
0.3188

■ 48.4409, 0.2786,
0.2340

99.9997, 0.3127,
0.3290

■ 37.9832, 0.2656,
0.2032

■ 29.4415, 0.2515,
0.1729

■ 22.6913, 0.2369,
0.1446

■ 17.5925, 0.2223,
0.1201

■ 13.9831, 0.2086,
0.1008

■ 11.6658, 0.1964,
0.0875

■ 10.7429, 0.1900,
0.0820

Harmonies

Analogous

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



75.5452, 0.2809, 0.2905



75.5452, 0.3006, 0.2925



75.5452, 0.3242, 0.3034

Triad

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



75.5452, 0.3006, 0.2925



75.5452, 0.3573, 0.3581



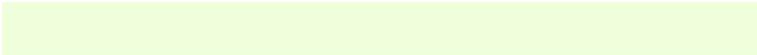
75.5452, 0.2807, 0.3366

Complementary

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



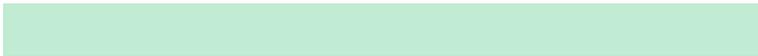
75.5452, 0.3006, 0.2925



94.9863, 0.3236, 0.3652

Split Complementary

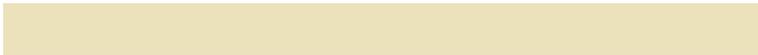
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



75.5452, 0.3002, 0.3568



75.5452, 0.3006, 0.2925



75.5452, 0.3446, 0.3690

Square

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



75.5452, 0.3006, 0.2925



75.5452, 0.3577, 0.3403



75.5452, 0.3236, 0.3689



75.5452, 0.2698, 0.3149

Rectangle

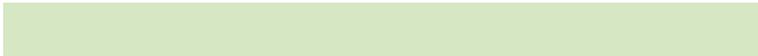
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



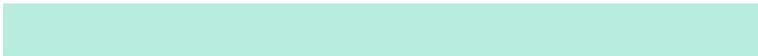
75.5452, 0.3006, 0.2925



75.5452, 0.3390, 0.3144



75.5452, 0.3236, 0.3689



75.5452, 0.2864, 0.3439

Sweetspot

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



75.5484, 0.3006, 0.2925



92.6039, 0.3096, 0.3191



84.2503, 0.2906, 0.3129



19.5322, 0.3089, 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.



75.5484, 0.3006, 0.2925



71.1032, 0.2978, 0.2845



78.6958, 0.3127, 0.2938



17.7723, 0.3049, 0.3049



5.6989, 0.1917, 0.0829



0.6184, 0.2042, 0.0899

Inverse Universe

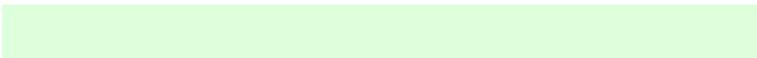
The Inverse Universe completely reimagines the original color for something new.



78.1616, 0.3250, 0.3092



74.2142, 0.3280, 0.3050



92.0684, 0.3124, 0.3665



18.1562, 0.3207, 0.3159



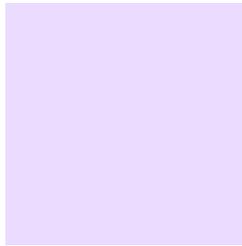
12.1568, 0.4727, 0.2378



1.2057, 0.4505, 0.2256

Previews

White Background



This preview shows how the Yxy color 75.5452, 0.3006, 0.2925 looks on a white background.

Color Contrast Check

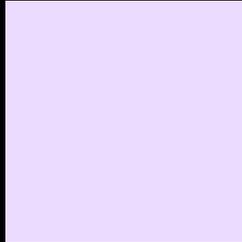
Large Text (above 18pt) WCAG AA × Fail

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 75.5452, 0.3006, 0.2925 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

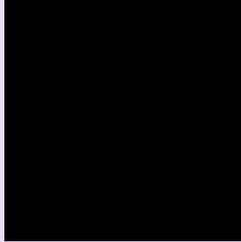
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 75.5452, 0.3006, 0.2925

Background



This preview shows how black text looks on a background with the Yxy color 75.5452, 0.3006, 0.2925.



This preview shows how white text looks on a background with the Yxy color 75.5452, 0.3006, 0.2925.

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

75.5452, 0.3006, 0.2925

Protanopia

75.7470, 0.2907, 0.2967

Deuteranopia

75.7300, 0.2993, 0.2934



Tritanopia

75.6304, 0.3087, 0.3113

Trichromacy



Original Color

75.5452, 0.3006, 0.2925

Protanomaly

75.4701, 0.2939, 0.2949

Deuteranomaly

75.8988, 0.2999, 0.2935

Tritanomaly

75.6291, 0.3055, 0.3043

Monochromacy



Original Color

75.5452, 0.3006, 0.2925

Achromatopsia

77.5822, 0.3127, 0.3290

Achromatomaly

77.0124, 0.3085, 0.3155

CSS Examples

Text

The CSS property to change the color of the text to Yxy 75.5452, 0.3006, 0.2925 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(235, 219, 255)` looks like.

```
.text, #text, p{  
    color:rgb(235, 219, 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(235, 219, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 219, 255) }
```

Border

The CSS property to change the border of an element to Yxy 75.5452, 0.3006, 0.2925 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(235, 219, 255) }
```

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

```
.border{ border-color:rgb(235, 219, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(235, 219, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 219, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 219, 255);  
box-shadow:4px 4px 4px 4px rgb(235, 219,  
255) }
```

Background

The CSS property to change the background color of an element to Yxy 75.5452, 0.3006, 0.2925 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 219, 255) }
```

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

```
.background{ background-color: rgb(235,  
219, 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