

Converting Colors

$Y_{xy}(76.1978, 0.2846, 0.2661)$

Have a look what the booklet for
Yxy(76.1978, 0.2846, 0.2661)
contains.

Yxy(74.5079, 0.3006, 0.2904)	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(74.5079, 0.3006, 0.2904)

Conversions

Conversions Part 1

Format	Color
Hex	EBD9FF
RGB	235, 217, 255
RGB Percent	92%, 85%, 100%
CMY	0.0784, 0.1490, 0.0000
CMYK	0.08, 0.15, 0.00, 0.00
HSL	268°, 100%, 93%
HSV	268°, 15%, 100%
XYZ	77.1249, 74.5079, 104.9371
YIQ	226.7140, -1.4700, 15.6340

Conversions

Conversions Part 2

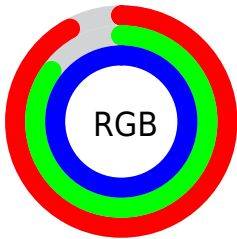
Format	Color
R _Y B	235, 217, 255
Decimal	15456767
CIE Lab	89.16, 13.08, -16.24
CIE LCh	89, 20.851, 308.840
Yxy	74.5079, 0.3006, 0.2904
Android (android.graphics.Color)	4293646847 (0xFFEBD9FF)
YUV	226.7140, 13.9450, 7.2668
Hunter-Lab	86.3180, 8.4329, -11.6565

Details

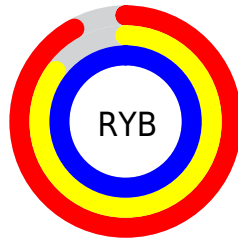
The Yxy color **74.5079, 0.3006, 0.2904** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **94.5356, 0.3235, 0.3675**, and the grayscale version is **76.4960, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **39.5016, 0.2978, 0.2820** is the 20% darker color. If you saturate the color by 10%, you get **60.1646, 0.2908, 0.2620**, and if you desaturate by 10%, it is **91.0588, 0.3091, 0.3169**.

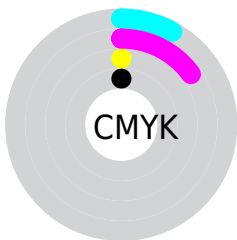
Distribution



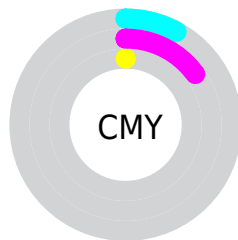
- Red (92%)
- Green (85%)
- Blue (100%)



- Red (92%)
- Yellow (85%)
- Blue (100%)



- Cyan (8%)
- Magenta (15%)
- Yellow (0%)
- Black (0%)




- Cyan (8%)
- Magenta (15%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 74.5079, 0.3006, 0.2904 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 74.5079, 0.3006, 0.2904 by changing the saturation by 10% instead.

 74.5079, 0.3006,
0.2904

 74.5079, 0.3006,
0.2904


476.2245, 0.3063,
0.3077

 55.2098, 0.2993,
0.2866


125.6155, 0.3026,
0.2963

 39.5698, 0.2976,
0.2819


158.1939, 0.3034,
0.2986

 27.2032, 0.2955,
0.2761


195.9678, 0.3040,
0.3006

 17.7259, 0.2927,
0.2687

239.3217, 0.3046,
0.3024

 10.7534, 0.2889,
0.2588

288.6399, 0.3051,
0.3040

 5.9013, 0.2833,
0.2453

344.3068, 0.3056,

 2.7851, 0.2745,

0.3054

0.2253

406.7069, 0.3060,
0.3066

■ 1.0206, 0.2590,
0.1937

■ 0.0000, 0.1823,
0.0000

■ 74.5079, 0.3006,
0.2904

■ 74.5079, 0.3006,
0.2904

■ 60.1646, 0.2908,
0.2620

■ 91.0588, 0.3091,
0.3169

■ 47.9259, 0.2796,
0.2321

100.0000, 0.3127,
0.3290

■ 37.6898, 0.2672,
0.2017

■ 29.3431, 0.2538,
0.1720

■ 22.7607, 0.2398,
0.1445

■ 17.8022, 0.2259,
0.1208

■ 14.3043, 0.2127,
0.1023

■ 12.0669, 0.2008,
0.0896

■ 11.2679, 0.1954,
0.0850

Harmonies

Analogous

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



74.5079, 0.2794, 0.2878



74.5079, 0.3006, 0.2904



74.5079, 0.3259, 0.3023

Triad

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



74.5079, 0.3006, 0.2904



74.5079, 0.3601, 0.3606



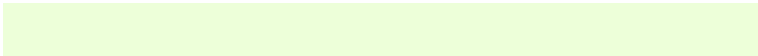
74.5079, 0.2779, 0.3362

Complementary

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



74.5079, 0.3006, 0.2904



94.5356, 0.3235, 0.3675

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.



74.5079, 0.2985, 0.3582



74.5079, 0.3006, 0.2904



74.5079, 0.3461, 0.3719

Square

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



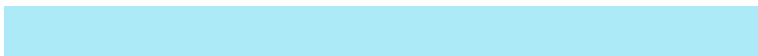
74.5079, 0.3006, 0.2904



74.5079, 0.3610, 0.3417



74.5079, 0.3234, 0.3714



74.5079, 0.2667, 0.3131

Rectangle

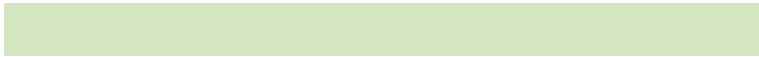
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



74.5079, 0.3006, 0.2904



74.5079, 0.3416, 0.3141



74.5079, 0.3234, 0.3714



74.5079, 0.2839, 0.3441

Sweetspot

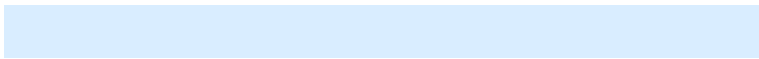
The Sweet Spot groups the original color and five complimentary colors.



74.5100, 0.3006, 0.2904



92.6597, 0.3097, 0.3191



82.6966, 0.2893, 0.3106



19.5464, 0.3092, 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.



74.5100, 0.3006, 0.2904



69.8319, 0.2977, 0.2818



77.8687, 0.3136, 0.2919



17.7996, 0.3053, 0.3050



5.9751, 0.1971, 0.0859



0.6462, 0.2095, 0.0928

Inverse Universe

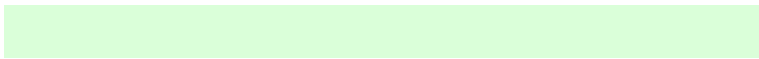
The Inverse Universe completely reimagines the original color for something new.



77.0028, 0.3266, 0.3092



72.8082, 0.3300, 0.3049



91.4773, 0.3116, 0.3689



18.1469, 0.3211, 0.3166



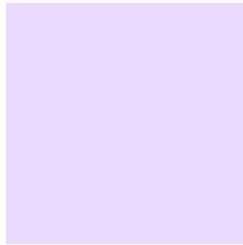
12.0421, 0.4852, 0.2447



1.1946, 0.4613, 0.2315

Previews

White Background



This preview shows how the Yxy color 74.5079, 0.3006, 0.2904 looks on a white background.

Color Contrast Check

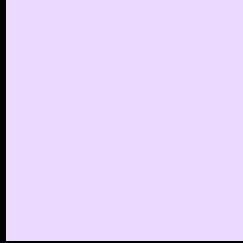
Large Text (above 18pt) WCAG AA × Fail

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 74.5079, 0.3006, 0.2904 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

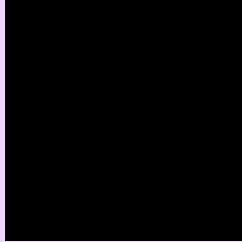
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

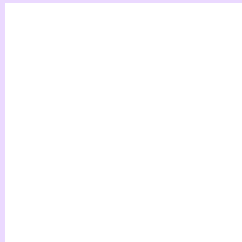
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 74.5079, 0.3006, 0.2904

Background



This preview shows how black text looks on a background with the Yxy color 74.5079, 0.3006, 0.2904.

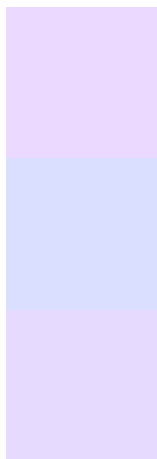


This preview shows how white text looks on a background with the Yxy color 74.5079, 0.3006, 0.2904.

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

74.5079, 0.3006, 0.2904

Protanopia

74.3680, 0.2894, 0.2945

Deuteranopia

74.3517, 0.2979, 0.2911



Tritanopia

74.4566, 0.3100, 0.3113

Trichromacy



Original Color

74.5079, 0.3006, 0.2904

Protanomaly

74.2537, 0.2932, 0.2927

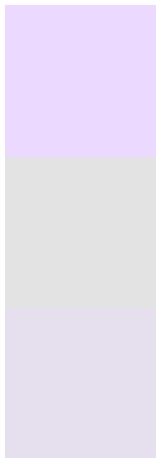
Deuteranomaly

74.5186, 0.2986, 0.2912

Tritanomaly

74.5183, 0.3062, 0.3032

Monochromacy



Original Color

74.5079, 0.3006, 0.2904

Achromatopsia

76.8151, 0.3127, 0.3290

Achromatomaly

75.7128, 0.3085, 0.3144

CSS Examples

Text

The CSS property to change the color of the text to Yxy 74.5079, 0.3006, 0.2904 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, 217, 255)` looks like.

```
.text, #text, p{  
    color:rgb(235, 217, 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, 217, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 217, 255) }
```

Border

The CSS property to change the border of an element to Yxy 74.5079, 0.3006, 0.2904 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, 217, 255) }
```

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

```
.border{ border-color:rgb(235, 217, 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, 217, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 217, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 217, 255);  
box-shadow:4px 4px 4px 4px rgb(235, 217,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 74.5079, 0.3006, 0.2904 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 217, 255) }
```

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

```
.background{ background-color: rgb(235,  
217, 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