

Converting Colors

$Y_{xy}(77.1959, 0.2913, 0.2994)$

Have a look what the booklet for
Yxy(77.1959, 0.2913, 0.2994)
contains.

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Color

Yxy(76.9849, 0.2914, 0.2989)

Conversions

Conversions Part 1

Format	Color
Hex	DDE2FF
RGB	221, 226, 255
RGB Percent	87%, 89%, 100%
CMY	0.1336, 0.1136, 0.0000
CMYK	0.13, 0.11, 0.00, 0.00
HSL	231°, 100%, 93%
HSV	231°, 13%, 100%
XYZ	75.0532, 76.9849, 105.5226
YIQ	227.8110, -12.2890, 7.9590

Conversions

Conversions Part 2

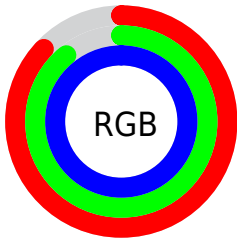
Format	Color
R _Y B	221, 225, 255
Decimal	14541567
CIE Lab	90.31, 3.89, -14.62
CIE LCh	90, 15.130, 284.915
Yxy	76.9849, 0.2914, 0.2989
Android (android.graphics.Color)	4292731647 (0xFFDDE2FF)
YUV	227.8110, 13.4042, -5.9732
Hunter-Lab	87.7410, -0.8589, -9.8870

Details

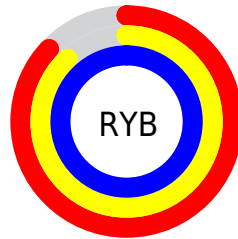
The Yxy color **76.9849, 0.2914, 0.2989** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **94.7994, 0.3334, 0.3574**, and the grayscale version is **77.3401, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **41.3100, 0.2870, 0.2929** is the 20% darker color. If you saturate the color by 10%, you get **62.2209, 0.2735, 0.2730**, and if you desaturate by 10%, it is **93.8545, 0.3076, 0.3219**.

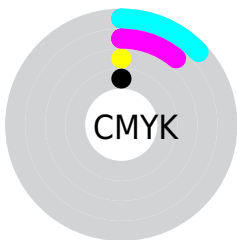
Distribution



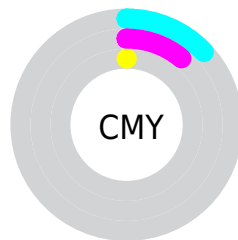
- Red (87%)
- Green (89%)
- Blue (100%)



- Red (87%)
- Yellow (88%)
- Blue (100%)



- Cyan (13%)
- Magenta (11%)
- Yellow (0%)
- Black (0%)



- Cyan (13%)
- Magenta (11%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 76.9849, 0.2914, 0.2989 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 76.9849, 0.2914, 0.2989 by changing the saturation by 10% instead.

■ 76.9849, 0.2914,
0.2989

■ 76.9849, 0.2914,
0.2989

484.7125, 0.3012,
0.3125

■ 57.2405, 0.2892,
0.2959

129.1182, 0.2948,
0.3036

■ 41.1983, 0.2865,
0.2921

162.2758, 0.2961,
0.3054

■ 28.4741, 0.2831,
0.2875

200.6733, 0.2972,
0.3070

■ 18.6834, 0.2787,
0.2815

244.6951, 0.2982,
0.3084

■ 11.4417, 0.2727,
0.2736

294.7255, 0.2991,
0.3096

■ 6.3648, 0.2643,
0.2625

351.1489, 0.2999,

■ 3.0681, 0.2516,

0.3107

0.2459

414.3498, 0.3005,
0.3117

■ 1.1674, 0.2302,
0.2189

■ 0.0348, 0.1045,
0.0284

■ 76.9849, 0.2914,
0.2989

■ 76.9849, 0.2914,
0.2989

■ 62.2209, 0.2735,
0.2730

■ 93.8545, 0.3076,
0.3219

■ 49.4727, 0.2543,
0.2444

100.0000, 0.3127,
0.3290

■ 38.6543, 0.2342,
0.2137

■ 29.6704, 0.2141,
0.1819

■ 22.4179, 0.1950,
0.1506

■ 16.7831, 0.1783,
0.1217

■ 12.6380, 0.1652,
0.0972

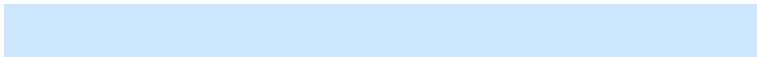
■ 9.8344, 0.1564,
0.0788

■ 8.6080, 0.1528,
0.0702

Harmonies

Analogous

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



76.9849, 0.2809, 0.3033



76.9849, 0.2914, 0.2989



76.9849, 0.3077, 0.3021

Triad

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



76.9849, 0.2914, 0.2989



76.9849, 0.3479, 0.3415



76.9849, 0.2992, 0.3469

Complementary

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



76.9849, 0.2914, 0.2989



94.7994, 0.3334, 0.3574

Split Complementary

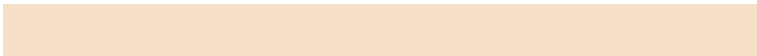
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



76.9849, 0.3169, 0.3579



76.9849, 0.2914, 0.2989



76.9849, 0.3453, 0.3541

Square

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



76.9849, 0.2914, 0.2989



76.9849, 0.3407, 0.3262



76.9849, 0.3339, 0.3604



76.9849, 0.2854, 0.3309

Rectangle

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



76.9849, 0.2914, 0.2989



76.9849, 0.3199, 0.3081



76.9849, 0.3339, 0.3604



76.9849, 0.3049, 0.3513

Sweetspot

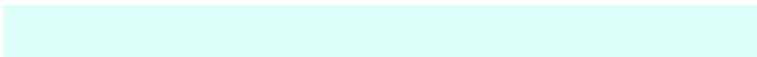
The Sweet Spot groups the original color and five complimentary colors.



76.9872, 0.2914, 0.2989



92.7036, 0.3067, 0.3205



93.7783, 0.2950, 0.3341



19.5570, 0.3055, 0.3189



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.



76.9872, 0.2914, 0.2989



72.8821, 0.2868, 0.2924



76.2027, 0.2992, 0.2943



17.8148, 0.2979, 0.3081



4.6281, 0.1533, 0.0720



0.5737, 0.1580, 0.0887

Inverse Universe

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



78.4344, 0.3338, 0.3240



74.6368, 0.3388, 0.3229



95.8062, 0.3251, 0.3630



18.0312, 0.3271, 0.3255



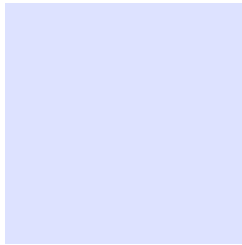
11.1952, 0.6200, 0.3189



1.1025, 0.5931, 0.3041

Previews

White Background



This preview shows how the Yxy color 76.9849, 0.2914, 0.2989 looks on a white background.

Color Contrast Check

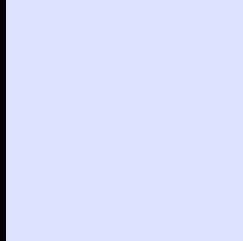
Large Text (above 18pt) WCAG AA × Fail

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 76.9849, 0.2914, 0.2989 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

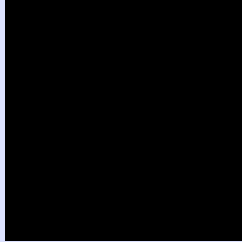
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 76.9849, 0.2914, 0.2989

Background



This preview shows how black text looks on a background with the Yxy color 76.9849, 0.2914, 0.2989.



This preview shows how white text looks on a background with the Yxy color 76.9849, 0.2914, 0.2989.

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

76.9849, 0.2914, 0.2989

Protanopia

76.7584, 0.2927, 0.2980

Deuteranopia

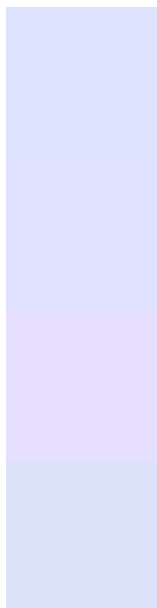
76.5951, 0.3006, 0.2946



Tritanopia

77.2007, 0.2955, 0.3100

Trichromacy



Original Color

76.9849, 0.2914, 0.2989

Protanomaly

76.6000, 0.2921, 0.2979

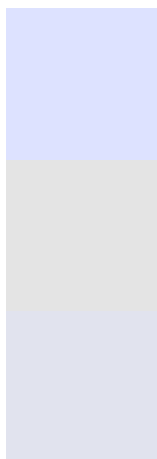
Deuteranomaly

76.8183, 0.2973, 0.2963

Tritanomaly

76.9934, 0.2944, 0.3059

Monochromacy



Original Color

76.9849, 0.2914, 0.2989

Achromatopsia

77.5822, 0.3127, 0.3290

Achromatomaly

77.1188, 0.3044, 0.3174

CSS Examples

Text

The CSS property to change the color of the text to Yxy 76.9849, 0.2914, 0.2989 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(221, 226, 255)` looks like.

```
.text, #text, p{  
    color:rgb(221, 226, 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(221, 226, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 226, 255) }
```

Border

The CSS property to change the border of an element to Yxy 76.9849, 0.2914, 0.2989 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(221, 226, 255) }
```

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

```
.border{ border-color:rgb(221, 226, 255) }
```

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

Here you see how a box with a 4 pixel rgb(221, 226, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 226, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 226, 255);  
box-shadow:4px 4px 4px 4px rgb(221, 226,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 76.9849, 0.2914, 0.2989 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 226, 255) }
```

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

```
.background{ background-color: rgb(221,  
226, 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](#).

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