

Converting Colors

$Y_{xy}(76.4554, 0.2870, 0.2996)$

Have a look what the booklet for
Yxy(76.4554, 0.2870, 0.2996)
contains.

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Color

Yxy(76.4543, 0.2870, 0.2996)

Conversions

Conversions Part 1

Format	Color
Hex	D6E3FF
RGB	214, 227, 255
RGB Percent	84%, 89%, 100%
CMY	0.1610, 0.1097, 0.0000
CMYK	0.16, 0.11, 0.00, 0.00
HSL	221°, 100%, 92%
HSV	221°, 16%, 100%
XYZ	73.2389, 76.4543, 105.4947
YIQ	226.3050, -16.7360, 5.9520

Conversions

Conversions Part 2

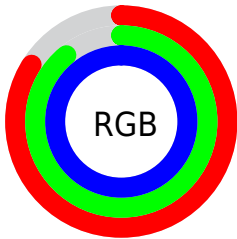
Format	Color
RYB	214, 224, 255
Decimal	14083071
CIELab	90.07, 1.20, -15.02
CIElCh	90, 15.072, 274.549
Yxy	76.4543, 0.2870, 0.2996
Android (android.graphics.Color)	4292273151 (0xFFD6E3FF)
YUV	226.3050, 14.1466, -10.7915
Hunter-Lab	87.4381, -3.5037, -10.3271

Details

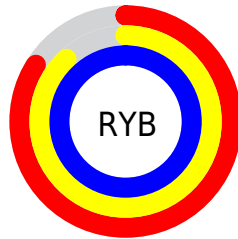
The Yxy color **76.4543, 0.2870, 0.2996** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **89.5709, 0.3390, 0.3568**, and the grayscale version is **76.1870, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **40.9532, 0.2814, 0.2937** is the 20% darker color. If you saturate the color by 10%, you get **63.8835, 0.2696, 0.2785**, and if you desaturate by 10%, it is **90.5918, 0.3033, 0.3185**.

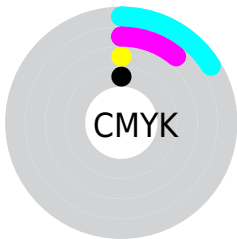
Distribution



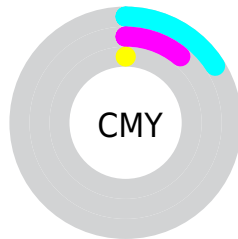
- Red (84%)
- Green (89%)
- Blue (100%)



- Red (84%)
- Yellow (88%)
- Blue (100%)



- Cyan (16%)
- Magenta (11%)
- Yellow (0%)
- Black (0%)



- Cyan (16%)
- Magenta (11%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 76.4543, 0.2870, 0.2996 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 76.4543, 0.2870, 0.2996 by changing the saturation by 10% instead.

■ 76.4543, 0.2870,
0.2996

■ 76.4543, 0.2870,
0.2996

482.9014, 0.2987,
0.3130

■ 56.8051, 0.2844,
0.2966

128.3689, 0.2910,
0.3042

■ 40.8488, 0.2811,
0.2929

161.4031, 0.2926,
0.3060

■ 28.2010, 0.2770,
0.2883

199.6677, 0.2940,
0.3076

■ 18.4772, 0.2718,
0.2824

243.5472, 0.2952,
0.3089

■ 11.2931, 0.2647,
0.2744

293.4259, 0.2962,
0.3101

■ 6.2644, 0.2548,
0.2633

349.6882, 0.2972,

■ 3.0065, 0.2398,

0.3112

0.2465

412.7186, 0.2980,
0.3121

■ 1.1351, 0.2148,
0.2189

■ 0.0077, 0.0330,
0.0070

■ 76.4543, 0.2870,
0.2996

■ 76.4543, 0.2870,
0.2996

■ 63.8835, 0.2696,
0.2785

■ 90.5918, 0.3033,
0.3185

■ 52.8137, 0.2516,
0.2552

99.9993, 0.3127,
0.3290

■ 43.1882, 0.2332,
0.2303

■ 34.9432, 0.2153,
0.2041

■ 28.0092, 0.1986,
0.1776

■ 22.3099, 0.1840,
0.1520

■ 17.7598, 0.1723,
0.1283

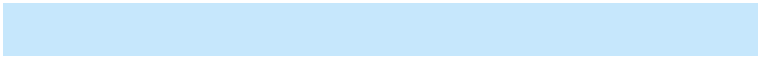
■ 14.2583, 0.1639,
0.1079

■ 13.1308, 0.1614,
0.1009

Harmonies

Analogous

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



76.4543, 0.2792, 0.3066



76.4543, 0.2870, 0.2996



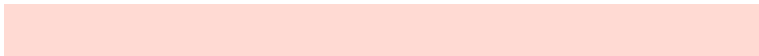
76.4543, 0.3017, 0.3002

Triad

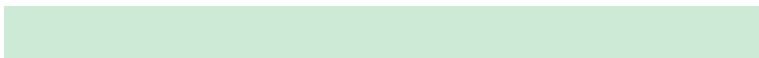
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



76.4543, 0.2870, 0.2996



76.4543, 0.3464, 0.3363



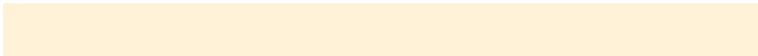
76.4543, 0.3051, 0.3515

Complementary

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



76.4543, 0.2870, 0.2996



89.5709, 0.3390, 0.3568

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.



76.4543, 0.3231, 0.3597



76.4543, 0.2870, 0.2996



76.4543, 0.3473, 0.3503

Square

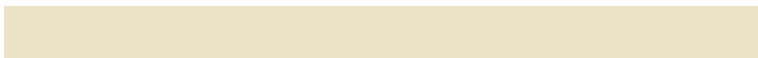
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



76.4543, 0.2870, 0.2996



76.4543, 0.3362, 0.3210



76.4543, 0.3386, 0.3591



76.4543, 0.2895, 0.3367

Rectangle

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



76.4543, 0.2870, 0.2996



76.4543, 0.3136, 0.3047



76.4543, 0.3386, 0.3591



76.4543, 0.3111, 0.3551

Sweetspot

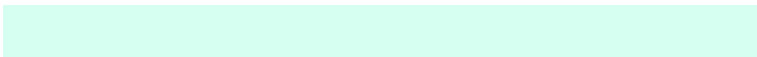
The Sweet Spot groups the original color and five complimentary colors.



76.4575, 0.2870, 0.2996



92.2413, 0.3051, 0.3205



92.1723, 0.2956, 0.3431



19.5170, 0.3040, 0.3192



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.



76.4575, 0.2870, 0.2996



72.6497, 0.2820, 0.2937



70.6299, 0.2909, 0.2860



18.3215, 0.2979, 0.3123



7.0980, 0.1622, 0.1038



0.8781, 0.1683, 0.1259

Inverse Universe

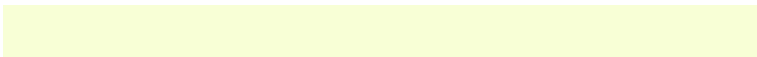
The Inverse Universe completely reimagines the original color for something new.



74.8758, 0.3339, 0.3160



70.9405, 0.3386, 0.3135



96.3500, 0.3325, 0.3697



18.0824, 0.3244, 0.3215



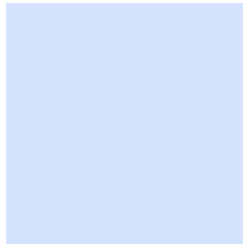
11.4445, 0.5702, 0.2915



1.1332, 0.5383, 0.2739

Previews

White Background



This preview shows how the Yxy color 76.4543, 0.2870, 0.2996 looks on a white background.

Color Contrast Check

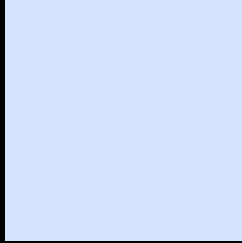
Large Text (above 18pt) WCAG AA × Fail

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 76.4543, 0.2870, 0.2996 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

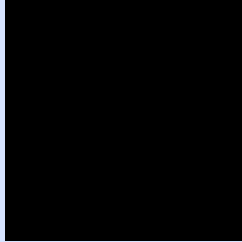
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

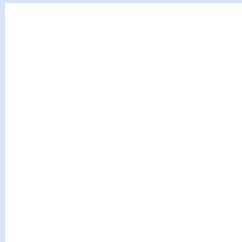
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 76.4543, 0.2870, 0.2996

Background



This preview shows how black text looks on a background with the Yxy color 76.4543, 0.2870, 0.2996.



This preview shows how white text looks on a background with the Yxy color 76.4543, 0.2870, 0.2996.

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

76.4543, 0.2870, 0.2996

Protanopia

76.4719, 0.2933, 0.2999

Deuteranopia

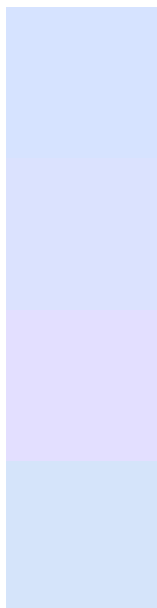
76.4253, 0.2999, 0.2945



Tritanopia

76.1993, 0.2904, 0.3087

Trichromacy



Original Color

76.4543, 0.2870, 0.2996

Protanomaly

76.6085, 0.2907, 0.2998

Deuteranomaly

76.3262, 0.2953, 0.2961

Tritanomaly

76.5351, 0.2893, 0.3057

Monochromacy



Original Color

76.4543, 0.2870, 0.2996

Achromatopsia

76.0525, 0.3127, 0.3290

Achromatomaly

76.0367, 0.3030, 0.3173

CSS Examples

Text

The CSS property to change the color of the text to Yxy 76.4543, 0.2870, 0.2996 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(214, 227, 255)` looks like.

```
.text, #text, p{  
    color:rgb(214, 227, 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(214, 227, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 227, 255) }
```

Border

The CSS property to change the border of an element to Yxy 76.4543, 0.2870, 0.2996 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(214, 227, 255) }
```

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

```
.border{ border-color:rgb(214, 227, 255) }
```

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

Here you see how a box with a 4 pixel rgb(214, 227, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(214, 227, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(214, 227, 255);  
box-shadow:4px 4px 4px 4px rgb(214, 227,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 76.4543, 0.2870, 0.2996 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(214, 227, 255) }
```

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

```
.background{ background-color: rgb(214,  
227, 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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