

Converting Colors

$Yxy(75.8369, 0.3567, 0.4422)$

Have a look what the booklet for
Yxy(75.8369, 0.3567, 0.4422)
contains.

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Color

Yxy(76.0193, 0.3568, 0.4429)

Conversions

Conversions Part 1

Format	Color
Hex	D2ED87
RGB	210, 237, 135
RGB Percent	82%, 93%, 53%
CMY	0.1764, 0.0706, 0.4704
CMYK	0.11, 0.00, 0.43, 0.07
HSL	76°, 74%, 73%
HSV	76°, 43%, 93%
XYZ	61.2411, 76.0193, 34.3795
YIQ	217.2990, 16.6500, -37.4460

Conversions

Conversions Part 2

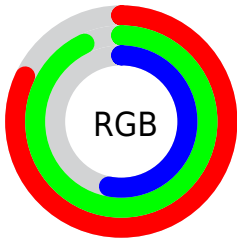
Format	Color
RYB	135, 237, 162
Decimal	13823367
CIELab	89.87, -24.47, 46.34
CIELCh	90, 52.408, 117.839
Yxy	76.0193, 0.3568, 0.4429
Android (android.graphics.Color)	4292013447 (0xFFD2ED87)
YUV	217.2990, -40.5734, -6.4012
Hunter-Lab	87.1890, -27.2034, 37.6537

Details

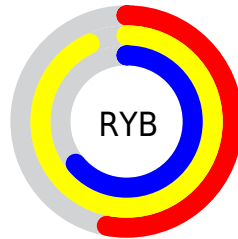
The Yxy color **76.0193, 0.3568, 0.4429** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **31.1359, 0.2522, 0.2021**, and the grayscale version is **69.8848, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.4977, 0.3514, 0.3929**, and **40.5423, 0.3640, 0.4697** is the 20% darker color. If you saturate the color by 10%, you get **74.5248, 0.3648, 0.4687**, and if you desaturate by 10%, it is **77.7053, 0.3474, 0.4158**.

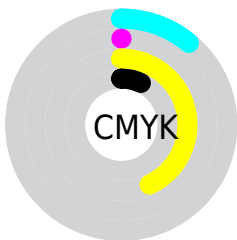
Distribution



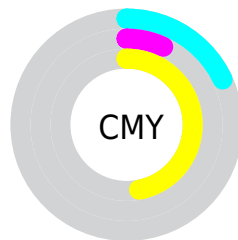
- Red (82%)
- Green (93%)
- Blue (53%)



- Red (53%)
- Yellow (93%)
- Blue (64%)



- Cyan (11%)
- Magenta (0%)
- Yellow (43%)
- Black (7%)





- Cyan (18%)
- Magenta (7%)
- Yellow (47%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 76.0193, 0.3568, 0.4429 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 76.0193, 0.3568, 0.4429 by changing the saturation by 10% instead.


 76.0193, 0.3568,
0.4429

 76.0193, 0.3568,
0.4429

481.4138, 0.3387,
0.3892

 56.4483, 0.3602,
0.4551


 127.7542, 0.3511,
0.4242

 40.5625, 0.3639,
0.4701


 160.6869, 0.3487,
0.4170

 27.9774, 0.3679,
0.4888


 198.8423, 0.3465,
0.4107

 18.3086, 0.3717,
0.5125

242.6048, 0.3446,
0.4053

 11.1718, 0.3743,
0.5431

292.3588, 0.3429,
0.4005

 6.1825, 0.3766,
0.5890

348.4887, 0.3414,

 2.9564, 0.3617,

0.3963

0.6383

411.3789, 0.3399,
0.3925

■ 1.1090, 0.2845,
0.7155

■ 0.0000, 0.0000,
0.0000

■ 76.0193, 0.3568,
0.4429

■ 76.0193, 0.3568,
0.4429

■ 74.5248, 0.3648,
0.4687

■ 77.7053, 0.3474,
0.4158

■ 73.2011, 0.3709,
0.4921


■ 79.5820, 0.3371,
0.3885

■ 72.0402, 0.3747,
0.5118


■ 81.6616, 0.3265,
0.3618

■ 71.0286, 0.3759,
0.5271


■ 83.9522, 0.3159,
0.3364


 70.1503, 0.3746,
0.5375

 86.4614, 0.3055,
0.3126

 69.5993, 0.3725,
0.5424

 87.6805, 0.3087,
0.3114

 88.8440, 0.3128,
0.3116

 89.0483, 0.3135,
0.3117

Harmonies

Analogous

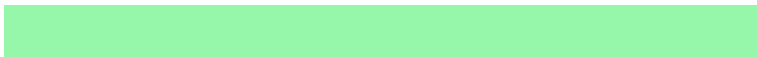
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



76.0193, 0.4084, 0.4241



76.0193, 0.3568, 0.4429



76.0193, 0.2962, 0.4235

Triad

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



76.0193, 0.3568, 0.4429



76.0193, 0.2028, 0.2579



76.0193, 0.3826, 0.2906

Complementary

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



76.0193, 0.3568, 0.4429



31.1359, 0.2522, 0.2021

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.



76.0193, 0.3200, 0.2549



76.0193, 0.3568, 0.4429



76.0193, 0.2203, 0.2348

Square

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



76.0193, 0.3568, 0.4429



76.0193, 0.2103, 0.3051



76.0193, 0.2611, 0.2348



76.0193, 0.4267, 0.3359

Rectangle

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



76.0193, 0.3568, 0.4429



76.0193, 0.2589, 0.3894



76.0193, 0.2611, 0.2348



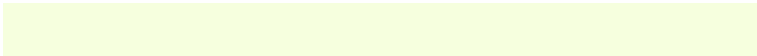
76.0193, 0.3626, 0.2773

Sweetspot

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



76.0227, 0.3568, 0.4429



96.4198, 0.3265, 0.3619



45.0796, 0.4126, 0.3579



20.5168, 0.3289, 0.3677



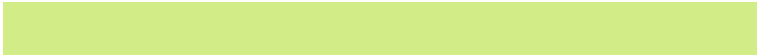
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



76.0227, 0.3568, 0.4429



88.1366, 0.3642, 0.4667



69.8466, 0.3221, 0.4567



17.4148, 0.3227, 0.3526



38.0658, 0.3733, 0.5418



3.0354, 0.3799, 0.5365

Inverse Universe

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



31.1359, 0.2522, 0.2021



28.4551, 0.2359, 0.1719



37.3767, 0.2946, 0.2161



14.7417, 0.3021, 0.3049



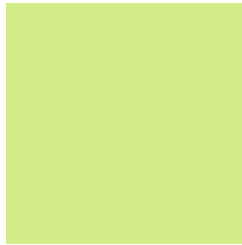
3.9645, 0.1662, 0.0689



0.3569, 0.1802, 0.0767

Previews

White Background



This preview shows how the Yxy color 76.0193, 0.3568, 0.4429 looks on a white background.

Color Contrast Check

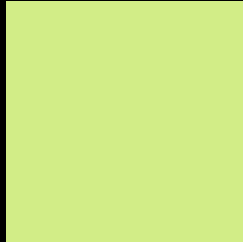
Large Text (above 18pt) WCAG AA × Fail

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 76.0193, 0.3568, 0.4429 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 76.0193, 0.3568, 0.4429

Background



This preview shows how black text looks on a background with the Yxy color 76.0193, 0.3568, 0.4429.

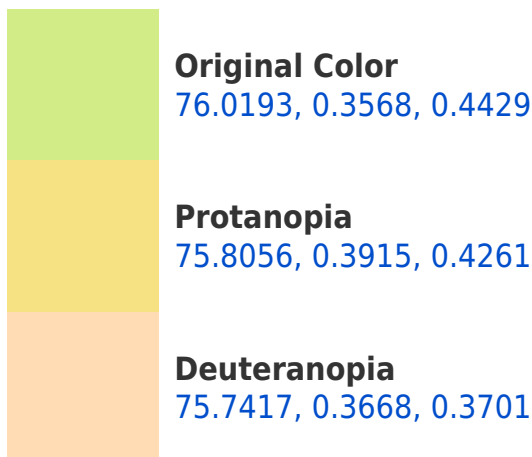


This preview shows how white text looks on a background with the Yxy color 76.0193, 0.3568, 0.4429.

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

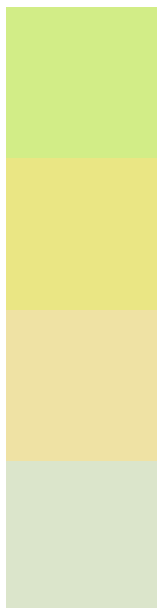




Tritanopia

76.1085, 0.3013, 0.3111

Trichromacy



Original Color

76.0193, 0.3568, 0.4429

Protanomaly

75.7520, 0.3792, 0.4326

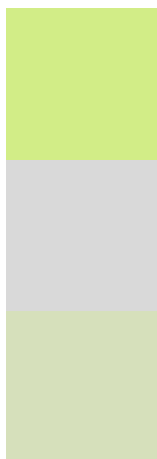
Deuteranomaly

75.4238, 0.3640, 0.3950

Tritanomaly

75.4105, 0.3225, 0.3576

Monochromacy



Original Color

76.0193, 0.3568, 0.4429

Achromatopsia

69.3872, 0.3127, 0.3290

Achromatomaly

71.1953, 0.3300, 0.3709

CSS Examples

Text

The CSS property to change the color of the text to Yxy 76.0193, 0.3568, 0.4429 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(210, 237, 135)` looks like.

```
.text, #text, p{  
    color:rgb(210, 237, 135)  
}
```

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(210, 237, 135) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(210, 237, 135) }
```

Border

The CSS property to change the border of an element to Yxy 76.0193, 0.3568, 0.4429 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(210, 237, 135) }
```

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

```
.border{ border-color:rgb(210, 237, 135) }
```

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

Here you see how a box with a 4 pixel `rgb(210, 237, 135)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(210, 237, 135); -webkit-box-  
shadow:4px 4px 4px 4px rgb(210, 237, 135);  
box-shadow:4px 4px 4px 4px rgb(210, 237,  
135) }
```


Background

The CSS property to change the background color of an element to Yxy 76.0193, 0.3568, 0.4429 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(210, 237, 135) }
```

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

```
.background{ background-color: rgb(210,  
237, 135) }
```

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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