

Converting Colors

$Yxy(76.6537, 0.3352, 0.4613)$

Have a look what the booklet for
Yxy(76.6537, 0.3352, 0.4613)
contains.

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Color

Yxy(76.6741, 0.3352, 0.4619)

Conversions

Conversions Part 1

Format	Color
Hex	B4F584
RGB	180, 245, 132
RGB Percent	71%, 96%, 52%
CMY	0.2940, 0.0392, 0.4825
CMYK	0.27, 0.00, 0.46, 0.04
HSL	94°, 85%, 74%
HSV	94°, 46%, 96%
XYZ	55.6423, 76.6741, 33.6808
YIQ	212.6830, -2.4670, -48.9230

Conversions

Conversions Part 2

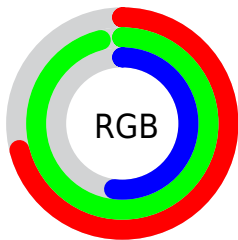
Format	Color
RYB	132, 245, 197
Decimal	11859332
CIELab	90.17, -39.36, 47.79
CIElCh	90, 61.917, 129.475
Yxy	76.6741, 0.3352, 0.4619
Android (android.graphics.Color)	4290049412 (0xFFB4F584)
YUV	212.6830, -39.7767, -28.6630
Hunter-Lab	87.5637, -39.8090, 38.4891

Details

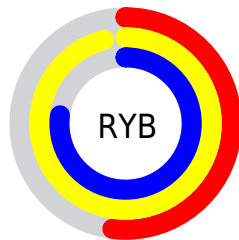
The Yxy color **76.6741, 0.3352, 0.4619** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **34.9451, 0.2755, 0.2016**, and the grayscale version is **66.5916, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.2850, 0.3417, 0.3985**, and **40.8307, 0.3359, 0.4944** is the 20% darker color. If you saturate the color by 10%, you get **74.4783, 0.3375, 0.4924**, and if you desaturate by 10%, it is **79.2057, 0.3315, 0.4307**.

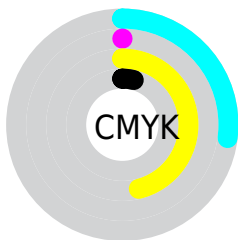
Distribution



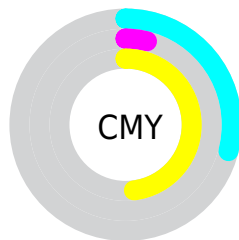
- Red (71%)
- Green (96%)
- Blue (52%)



- Red (52%)
- Yellow (96%)
- Blue (77%)



- Cyan (27%)
- Magenta (0%)
- Yellow (46%)
- Black (4%)





- Cyan (29%)
- Magenta (4%)
- Yellow (48%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 76.6741, 0.3352, 0.4619 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 76.6741, 0.3352, 0.4619 by changing the saturation by 10% instead.


 76.6741, 0.3352,
0.4619

 76.6741, 0.3352,
0.4619


483.6521, 0.3278,
0.3979

 56.9854, 0.3360,
0.4768


 128.6793, 0.3333,
0.4394

 40.9935, 0.3364,
0.4953

 161.7647, 0.3324,
0.4307

 28.3140, 0.3360,
0.5186


 200.0844, 0.3315,
0.4233

 18.5625, 0.3340,
0.5487

244.0229, 0.3307,
0.4168

 11.3546, 0.3284,
0.5884

293.9645, 0.3299,
0.4112

 6.3059, 0.3191,
0.6504

350.2936, 0.3291,

 3.0320, 0.2842,

0.4062

0.7158

413.3947, 0.3284,
0.4018

■ 1.1484, 0.0869,
0.9131

■ 0.0190, 0.0000,
1.0000

■ 76.6741, 0.3352,
0.4619

■ 76.6741, 0.3352,
0.4619

■ 74.4783, 0.3375,
0.4924

■ 79.2057, 0.3315,
0.4307

■ 72.5922, 0.3381,
0.5206


■ 82.0782, 0.3269,
0.4001


■ 71.0009, 0.3366,
0.5448


■ 85.3087, 0.3217,
0.3711

■ 69.6840, 0.3332,
0.5634

■ 88.9106, 0.3161,
0.3443

 68.6173, 0.3280,
0.5758

 92.8960, 0.3106,
0.3199

 68.2599, 0.3258,
0.5795

 93.7858, 0.3132,
0.3194

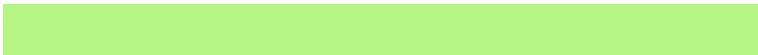
Harmonies

Analogous

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



76.6741, 0.4019, 0.4524



76.6741, 0.3352, 0.4619



76.6741, 0.2661, 0.4204

Triad

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



76.6741, 0.3352, 0.4619



76.6741, 0.1907, 0.2322



76.6741, 0.4193, 0.3029

Complementary

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



76.6741, 0.3352, 0.4619



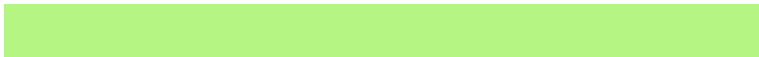
34.9451, 0.2755, 0.2016

Split Complementary

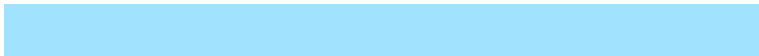
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



76.6741, 0.3501, 0.2575



76.6741, 0.3352, 0.4619



76.6741, 0.2208, 0.2175

Square

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



76.6741, 0.3352, 0.4619



76.6741, 0.1878, 0.2750



76.6741, 0.2766, 0.2272



76.6741, 0.4561, 0.3562

Rectangle

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



76.6741, 0.3352, 0.4619



76.6741, 0.2282, 0.3713



76.6741, 0.2766, 0.2272



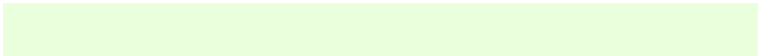
76.6741, 0.3985, 0.2866

Sweetspot

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



76.6774, 0.3352, 0.4619



94.2243, 0.3205, 0.3653



60.5649, 0.4040, 0.3974



19.9929, 0.3217, 0.3713



0.0000, 0.0000, 0.0000



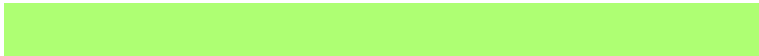
21.4041, 0.3127, 0.3290

Same Dimension

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



76.6774, 0.3352, 0.4619



81.7956, 0.3373, 0.4894



72.0866, 0.3023, 0.4651



18.8164, 0.3180, 0.3530



36.8501, 0.3270, 0.5786



3.2980, 0.3367, 0.5708

Inverse Universe

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



34.9451, 0.2755, 0.2016



31.0746, 0.2657, 0.1766



42.0458, 0.3247, 0.2229



16.3969, 0.3070, 0.3052



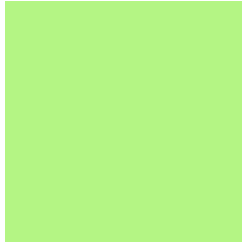
6.6768, 0.2176, 0.0972



0.6473, 0.2301, 0.1041

Previews

White Background



This preview shows how the Yxy color 76.6741, 0.3352, 0.4619 looks on a white background.

Color Contrast Check

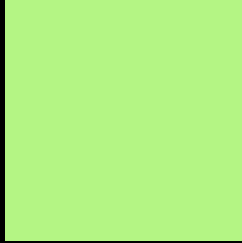
Large Text (above 18pt) WCAG AA × Fail

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 76.6741, 0.3352, 0.4619 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

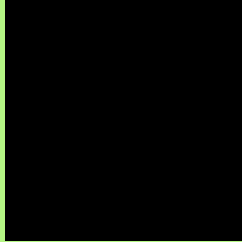
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 76.6741, 0.3352, 0.4619

Background



This preview shows how black text looks on a background with the Yxy color 76.6741, 0.3352, 0.4619.

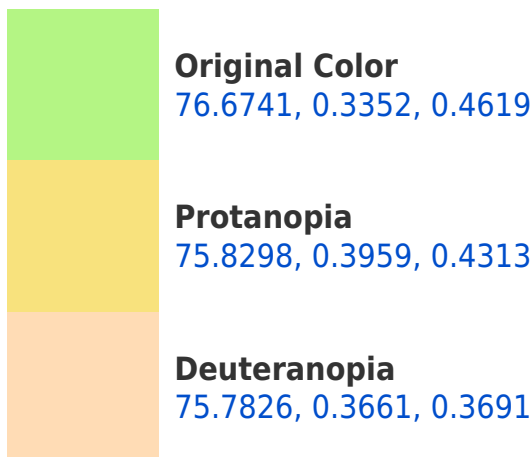


This preview shows how white text looks on a background with the Yxy color 76.6741, 0.3352, 0.4619.

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

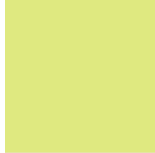
76.6211, 0.2803, 0.3095

Trichromacy



Original Color

76.6741, 0.3352, 0.4619



Protanomaly

75.5243, 0.3719, 0.4426



Deuteranomaly

75.1769, 0.3554, 0.4010



Tritanomaly

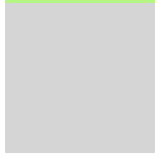
76.1497, 0.3007, 0.3633

Monochromacy



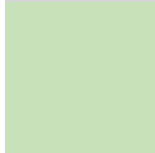
Original Color

76.6741, 0.3352, 0.4619



Achromatopsia

66.5387, 0.3127, 0.3290



Achromatomaly

69.7286, 0.3224, 0.3768

CSS Examples

Text

The CSS property to change the color of the text to Yxy 76.6741, 0.3352, 0.4619 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(180, 245, 132)` looks like.

```
.text, #text, p{  
    color:rgb(180, 245, 132)  
}
```

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(180, 245, 132) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 245, 132) }
```

Border

The CSS property to change the border of an element to Yxy 76.6741, 0.3352, 0.4619 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(180, 245, 132) }
```

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

```
.border{ border-color:rgb(180, 245, 132) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 245, 132)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 245, 132); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 245, 132);  
box-shadow:4px 4px 4px 4px rgb(180, 245,  
132) }
```


Background

The CSS property to change the background color of an element to Yxy 76.6741, 0.3352, 0.4619 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 245, 132) }
```

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

```
.background{ background-color: rgb(180,  
245, 132) }
```

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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