

# Converting Colors

Yxy(76.9480, 0.3645, 0.5253)

Have a look what the booklet for  
Yxy(76.9480, 0.3645, 0.5253)  
contains.

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**Color**

**Yxy(76.7824, 0.3647, 0.5249)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B6F73B
RGB	182, 247, 59
RGB Percent	71%, 97%, 23%
CMY	0.2861, 0.0314, 0.7685
CMYK	0.26, 0.00, 0.76, 0.03
HSL	81°, 92%, 60%
HSV	81°, 76%, 97%
XYZ	53.3483, 76.7824, 16.1493
YIQ	206.1330, 21.6080, -72.2480

# Conversions

## Conversions Part 2

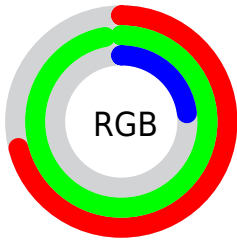
Format	Color
<a href="#">RYB</a>	59, 247, 124
Decimal	11990843
CIELab	90.22, -45.41, 77.27
CIELCh	90, 89.627, 120.440
Yxy	76.7824, 0.3647, 0.5249
Android (android.graphics.Color)	4290180923 (0xFFB6F73B)
YUV	206.1330, -72.5366, -21.1646
Hunter-Lab	87.6256, -44.6701, 50.4108

# Details

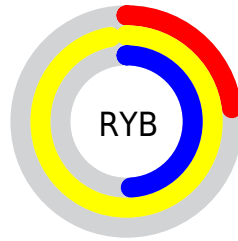
The Yxy color **76.7824, 0.3647, 0.5249** is a light color, and the websafe version is hex **CCFF33**. The color can be described as light washed chartreuse. A complement of this color would be **14.1307, 0.2049, 0.1086**, and the grayscale version is **62.2827, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.7533, 0.3807, 0.4611**, and **41.0379, 0.3585, 0.5535** is the 20% darker color. If you saturate the color by 10%, you get **75.5790, 0.3638, 0.5402**, and if you desaturate by 10%, it is **78.1771, 0.3631, 0.5048**.

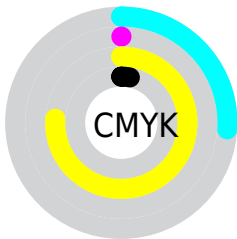
# Distribution



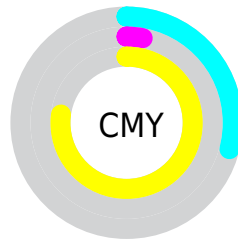
- Red (71%)
- Green (97%)
- Blue (23%)



- Red (23%)
- Yellow (97%)
- Blue (49%)



- Cyan (26%)
- Magenta (0%)
- Yellow (76%)
- Black (3%)



- Cyan (29%)
- Magenta (3%)
- Yellow (77%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 76.7824, 0.3647, 0.5249 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 76.7824, 0.3647, 0.5249 by changing the saturation by 10% instead.




 76.7824, 0.3647,  
0.5249

 76.7824, 0.3647,  
0.5249

484.0218, 0.3493,  
0.4337


 57.0743, 0.3653,  
0.5443

 128.8323, 0.3616,  
0.4941

 41.0649, 0.3646,  
0.5671


 161.9428, 0.3597,  
0.4818

 28.3698, 0.3611,  
0.5937


 200.2897, 0.3578,  
0.4711

 18.6046, 0.3532,  
0.6249

 244.2572, 0.3559,  
0.4617

 11.3849, 0.3378,  
0.6622

 294.2297, 0.3542,  
0.4535

 6.3264, 0.3043,  
0.6957


350.5918, 0.3525,


 3.0445, 0.2532,

0.4461

0.7468

413.7277, 0.3508,  
0.4396


 1.1550, 0.0000,  
1.0000


 0.0245, 0.0000,  
1.0000


 76.7824, 0.3647,  
0.5249


 76.7824, 0.3647,  
0.5249

 75.5790, 0.3638,  
0.5402


 78.1771, 0.3631,  
0.5048

 74.5368, 0.3604,  
0.5503

 79.7691, 0.3591,  
0.4808


 74.1635, 0.3588,  
0.5533

 81.5758, 0.3530,  
0.4541

 83.6095, 0.3455,  
0.4261

 85.8817, 0.3368,  
0.3978

 88.4028, 0.3277,  
0.3703

 91.1825, 0.3184,  
0.3441

 94.1246, 0.3101,  
0.3213

 95.0003, 0.3131,  
0.3214

# Harmonies

## Analogous

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



76.7824, 0.4525, 0.4782



76.7824, 0.3647, 0.5249



76.7824, 0.2690, 0.4955

# Triad

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



76.7824, 0.3647, 0.5249



76.7824, 0.1443, 0.2059



76.7824, 0.4390, 0.2702

# Complementary

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



76.7824, 0.3647, 0.5249



14.1307, 0.2049, 0.1086

# 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.



76.7824, 0.3307, 0.2171



76.7824, 0.3647, 0.5249



76.7824, 0.1720, 0.1801

# Square

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



76.7824, 0.3647, 0.5249



76.7824, 0.1491, 0.2731



76.7824, 0.2341, 0.1854



76.7824, 0.5091, 0.3355



# Rectangle

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



76.7824, 0.3647, 0.5249



76.7824, 0.2131, 0.4267



76.7824, 0.2341, 0.1854



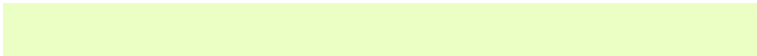
76.7824, 0.4045, 0.2506

# Sweetspot

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



76.7858, 0.3647, 0.5249



93.1378, 0.3341, 0.3893



33.9318, 0.5219, 0.3844



19.7333, 0.3373, 0.3994



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.



76.7858, 0.3647, 0.5249



80.6728, 0.3624, 0.5459



69.0280, 0.3120, 0.5622



19.0102, 0.3215, 0.3528



39.3052, 0.3598, 0.5526



3.5114, 0.3673, 0.5466



# Inverse Universe

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



14.1307, 0.2049, 0.1086



10.7231, 0.1842, 0.0824



24.3949, 0.2889, 0.1513



16.2051, 0.3033, 0.3049



4.6528, 0.1762, 0.0744

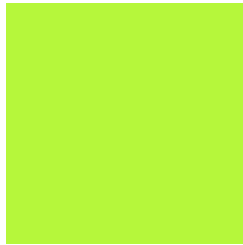


0.4637, 0.1898, 0.0819



# Previews

## White Background



This preview shows how the Yxy color 76.7824, 0.3647, 0.5249 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

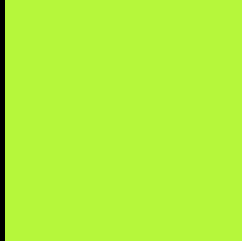
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 76.7824, 0.3647, 0.5249 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

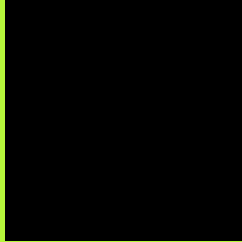
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 76.7824, 0.3647, 0.5249**

## **Background**



This preview shows how black text looks on a background with the Yxy color 76.7824, 0.3647, 0.5249.



This preview shows how white text looks on a background with the Yxy color 76.7824, 0.3647, 0.5249.

# 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

76.7824, 0.3647, 0.5249

### Protanopia

76.2753, 0.4317, 0.4771

### Deuteranopia

76.0289, 0.3708, 0.3772



## Tritanopia

76.2706, 0.2844, 0.3085

# Trichromacy



## Original Color

76.7824, 0.3647, 0.5249



## Protanomaly

75.6251, 0.4066, 0.4949



## Deuteranomaly

74.7536, 0.3746, 0.4344



## Tritanomaly

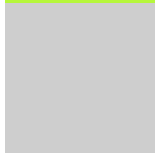
75.0220, 0.3203, 0.3939

# Monochromacy



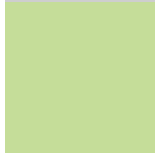
## Original Color

76.7824, 0.3647, 0.5249



## Achromatopsia

61.7207, 0.3127, 0.3290



## Achromatomaly

65.8831, 0.3404, 0.4105

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 76.7824, 0.3647, 0.5249 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(182, 247, 59)` looks like.

```
.text, #text, p{  
    color:rgb(182, 247, 59)  
}
```

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(182, 247, 59) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(182, 247, 59) }
```

## Border

The CSS property to change the border of an element to Yxy 76.7824, 0.3647, 0.5249 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(182, 247, 59) }
```

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

```
.border{ border-color:rgb(182, 247, 59) }
```

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

Here you see how a box with a 4 pixel rgb(182, 247, 59) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(182, 247, 59); -webkit-box-  
shadow:4px 4px 4px 4px rgb(182, 247, 59);  
box-shadow:4px 4px 4px 4px rgb(182, 247,  
59) }
```



# Background

The CSS property to change the background color of an element to Yxy 76.7824, 0.3647, 0.5249 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(182, 247, 59) }
```

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

```
.background{ background-color: rgb(182,  
247, 59) }
```

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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