

# Converting Colors

$Yxy(75.8727, 0.3506, 0.4697)$

Have a look what the booklet for  
Yxy(75.8727, 0.3506, 0.4697)  
contains.

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**Color**

**Yxy(76.0426, 0.3507, 0.4694)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C0F277
RGB	192, 242, 119
RGB Percent	75%, 95%, 47%
CMY	0.2472, 0.0509, 0.5332
CMYK	0.21, 0.00, 0.51, 0.05
HSL	84°, 83%, 71%
HSV	84°, 51%, 95%
XYZ	56.8133, 76.0426, 29.1437
YIQ	213.0280, 9.6830, -48.8530

# Conversions

## Conversions Part 2

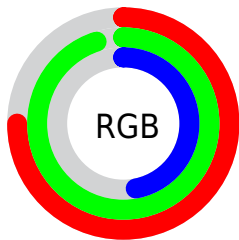
Format	Color
<a href="#">RYB</a>	<a href="#">119, 242, 169</a>
Decimal	<a href="#">12644983</a>
CIELab	<a href="#">89.88, -35.19, 53.66</a>
CIElCh	<a href="#">90, 64.168, 123.257</a>
Yxy	<a href="#">76.0426, 0.3507, 0.4694</a>
Android (android.graphics.Color)	<a href="#">4290835063 (0xFFC0F277)</a>
YUV	<a href="#">213.0280, -46.3558, -18.4416</a>
Hunter-Lab	<a href="#">87.2024, -36.3097, 41.2265</a>

# Details

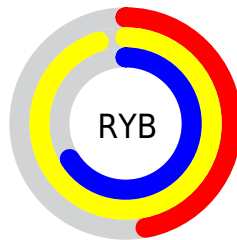
The Yxy color **76.0426, 0.3507, 0.4694** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **28.0562, 0.2526, 0.1817**, and the grayscale version is **66.8687, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.9000, 0.3574, 0.4095**, and **40.7454, 0.3545, 0.5034** is the 20% darker color. If you saturate the color by 10%, you get **74.2937, 0.3548, 0.4961**, and if you desaturate by 10%, it is **78.0323, 0.3449, 0.4409**.

# Distribution



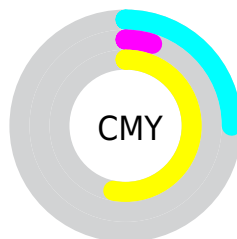
- Red (75%)
- Green (95%)
- Blue (47%)



- Red (47%)
- Yellow (95%)
- Blue (66%)



- Cyan (21%)
- Magenta (0%)
- Yellow (51%)
- Black (5%)




- Cyan (25%)
- Magenta (5%)
- Yellow (53%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 76.0426, 0.3507, 0.4694 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 76.0426, 0.3507, 0.4694 by changing the saturation by 10% instead.




 76.0426, 0.3507,  
0.4694

 76.0426, 0.3507,  
0.4694


481.4935, 0.3367,  
0.4025


 56.4674, 0.3527,  
0.4847


 127.7871, 0.3467,  
0.4461

 40.5778, 0.3546,  
0.5034


 160.7253, 0.3449,  
0.4370

 27.9894, 0.3557,  
0.5266


 198.8865, 0.3432,  
0.4292

 18.3176, 0.3553,  
0.5559

242.6553, 0.3417,  
0.4225

 11.1783, 0.3509,  
0.5930

292.4160, 0.3403,  
0.4165

 6.1869, 0.3456,  
0.6544


348.5530, 0.3390,


 2.9590, 0.3046,


0.4113


0.6954


411.4507, 0.3378,  
0.4067


 1.1104, 0.1398,  
0.8602


 0.0000, 0.0000,  
0.0000


 76.0426, 0.3507,  
0.4694


 76.0426, 0.3507,  
0.4694


 74.2937, 0.3548,  
0.4961

 78.0323, 0.3449,  
0.4409


 72.7624, 0.3567,  
0.5196


 80.2647, 0.3378,  
0.4119

 71.4371, 0.3563,  
0.5387

 82.7540, 0.3299,  
0.3834

 70.3005, 0.3534,  
0.5526

 85.5103, 0.3217,  
0.3563

 69.3979, 0.3490,  
0.5611

 88.5433, 0.3134,  
0.3310

 91.2526, 0.3108,  
0.3165

 91.9925, 0.3133,  
0.3166

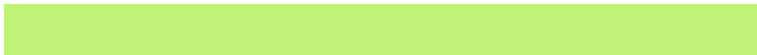
# Harmonies

## Analogous

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



76.0426, 0.4169, 0.4493



76.0426, 0.3507, 0.4694



76.0426, 0.2781, 0.4376

# Triad

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



76.0426, 0.3507, 0.4694



76.0426, 0.1838, 0.2352



76.0426, 0.4104, 0.2912

# Complementary

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



76.0426, 0.3507, 0.4694



28.0562, 0.2526, 0.1817

# Split Complementary

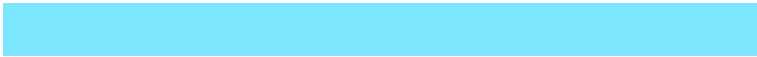
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



76.0426, 0.3349, 0.2471



76.0426, 0.3507, 0.4694



76.0426, 0.2090, 0.2147

# Square

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



76.0426, 0.3507, 0.4694



76.0426, 0.1866, 0.2857



76.0426, 0.2612, 0.2199



76.0426, 0.4576, 0.3449



# Rectangle

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



76.0426, 0.3507, 0.4694



76.0426, 0.2360, 0.3899



76.0426, 0.2612, 0.2199



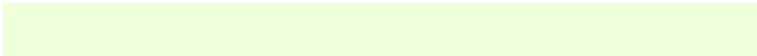
76.0426, 0.3869, 0.2750

# Sweetspot

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



76.0460, 0.3507, 0.4694



94.9427, 0.3252, 0.3676



48.2996, 0.4278, 0.3826



20.1816, 0.3269, 0.3733



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

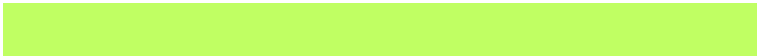


# Same Dimension

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



76.0460, 0.3507, 0.4694



83.5955, 0.3549, 0.4970



69.6965, 0.3117, 0.4882



18.1197, 0.3205, 0.3528



37.3582, 0.3501, 0.5602



3.1658, 0.3590, 0.5531



# Inverse Universe

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



28.0562, 0.2526, 0.1817



23.9904, 0.2368, 0.1510



36.3878, 0.3070, 0.2025



15.5428, 0.3043, 0.3050



4.9288, 0.1856, 0.0796



0.4667, 0.2003, 0.0877



# Previews

## White Background



This preview shows how the Yxy color 76.0426, 0.3507, 0.4694 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 76.0426, 0.3507, 0.4694 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 76.0426, 0.3507, 0.4694**

## **Background**



This preview shows how black text looks on a background with the Yxy color 76.0426, 0.3507, 0.4694.

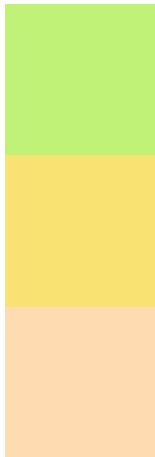


This preview shows how white text looks on a background with the Yxy color 76.0426, 0.3507, 0.4694.

# 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

76.0426, 0.3507, 0.4694

### Protanopia

75.7474, 0.4031, 0.4406

### Deuteranopia

75.0974, 0.3693, 0.3722



## Tritanopia

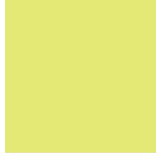
75.6959, 0.2891, 0.3097

# Trichromacy



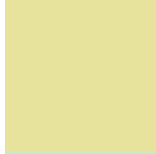
## Original Color

76.0426, 0.3507, 0.4694



## Protanomaly

75.4682, 0.3828, 0.4514



## Deuteranomaly

74.4943, 0.3636, 0.4058



## Tritanomaly

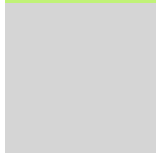
75.1445, 0.3130, 0.3664

# Monochromacy



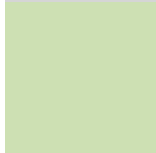
## Original Color

76.0426, 0.3507, 0.4694



## Achromatopsia

66.5387, 0.3127, 0.3290



## Achromatomaly

69.5451, 0.3287, 0.3812

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 76.0426, 0.3507, 0.4694 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(192, 242, 119)` looks like.

```
.text, #text, p{  
    color:rgb(192, 242, 119)  
}
```

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(192, 242, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(192, 242, 119) }
```

## Border

The CSS property to change the border of an element to Yxy 76.0426, 0.3507, 0.4694 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(192, 242, 119) }
```

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

```
.border{ border-color:rgb(192, 242, 119) }
```

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

Here you see how a box with a 4 pixel `rgb(192, 242, 119)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(192, 242, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(192, 242, 119);  
box-shadow:4px 4px 4px 4px rgb(192, 242,  
119) }
```



# Background

The CSS property to change the background color of an element to Yxy 76.0426, 0.3507, 0.4694 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(192, 242, 119) }
```

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

```
.background{ background-color: rgb(192,  
242, 119) }
```

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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