

# Converting Colors

Yxy(76.2058, 0.3123, 0.5250)

Have a look what the booklet for  
Yxy(76.2058, 0.3123, 0.5250)  
contains.

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# Color

**Yxy(76.2346, 0.3125, 0.5248)**

# Conversions

## Conversions Part 1

Format	Color
Hex	76FF61
RGB	118, 255, 97
RGB Percent	46%, 100%, 38%
CMY	0.5370, 0.0000, 0.6195
CMYK	0.54, 0.00, 0.62, 0.00
HSL	112°, 100%, 69%
HSV	112°, 62%, 100%
XYZ	45.3950, 76.2346, 23.6345
YIQ	196.0250, -30.9340, -78.1820

# Conversions

## Conversions Part 2

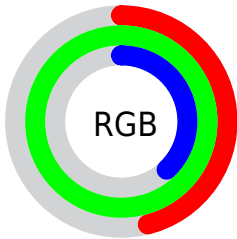
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">97, 255, 234</a>
Decimal	<a href="#">7798625</a>
CIELab	<a href="#">89.97, -65.92, 62.51</a>
CIELCh	<a href="#">90, 90.847, 136.524</a>
Yxy	<a href="#">76.2346, 0.3125, 0.5248</a>
Android (android.graphics.Color)	<a href="#">4285988705 (0xFF76FF61)</a>
YUV	<a href="#">196.0250, -48.8193, -68.4279</a>
Hunter-Lab	<a href="#">87.3124, -59.9919, 45.0696</a>

# Details

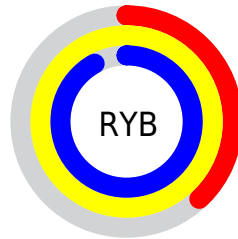
The Yxy color **76.2346, 0.3125, 0.5248** is a light color, and the websafe version is hex **66FF66**. A complement of this color would be **33.2579, 0.2999, 0.1773**, and the grayscale version is **55.5411, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.5232, 0.3227, 0.4468**, and **40.6768, 0.3039, 0.5752** is the 20% darker color. If you saturate the color by 10%, you get **74.4647, 0.3105, 0.5540**, and if you desaturate by 10%, it is **78.5263, 0.3139, 0.4915**.

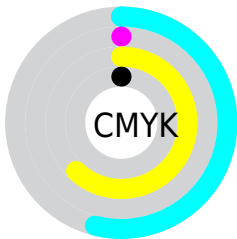
# Distribution



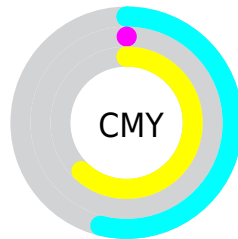
- Red (46%)
- Green (100%)
- Blue (38%)



- Red (38%)
- Yellow (100%)
- Blue (92%)



- Cyan (54%)
- Magenta (0%)
- Yellow (62%)
- Black (0%)




- Cyan (54%)
- Magenta (0%)
- Yellow (62%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 76.2346, 0.3125, 0.5248 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 76.2346, 0.3125, 0.5248 by changing the saturation by 10% instead.




 76.2346, 0.3125,  
0.5248


 76.2346, 0.3125,  
0.5248


482.1504, 0.3191,  
0.4284

 56.6249, 0.3091,  
0.5474


 128.0585, 0.3163,  
0.4907

 40.7042, 0.3037,  
0.5752


 161.0414, 0.3173,  
0.4776

 28.0880, 0.2953,  
0.6098


 199.2509, 0.3180,  
0.4664

 18.3920, 0.2815,  
0.6535

 243.0714, 0.3185,  
0.4567

 11.2318, 0.2597,  
0.7119

292.8871, 0.3188,  
0.4482

 6.2230, 0.2202,  
0.7798


349.0826, 0.3190,

 2.9811, 0.1416,


0.4408


0.8584


412.0423, 0.3191,  
0.4342


 1.1219, 0.0000,  
1.0000


 0.0000, 0.0000,  
0.0000

 76.2346, 0.3125,  
0.5248


 76.2346, 0.3125,  
0.5248


 74.4647, 0.3105,  
0.5540


 78.5263, 0.3139,  
0.4915

 73.1662, 0.3079,  
0.5766


 81.3667, 0.3146,  
0.4566


 72.2946, 0.3050,  
0.5913

 84.7919, 0.3147,  
0.4222

 71.8583, 0.3029,  
0.5977

 88.8327, 0.3144,  
0.3898

 93.5171, 0.3138,  
0.3602

 98.8718, 0.3129,  
0.3338

99.9989, 0.3127,  
0.3290

# Harmonies

## Analogous

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



76.2346, 0.4084, 0.5117



76.2346, 0.3125, 0.5248



76.2346, 0.2215, 0.4442

# Triad

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



76.2346, 0.3125, 0.5248



76.2346, 0.1532, 0.1859



76.2346, 0.4871, 0.3036

# Complementary

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



76.2346, 0.3125, 0.5248



33.2579, 0.2999, 0.1773

# 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.



76.2346, 0.3913, 0.2422



76.2346, 0.3125, 0.5248



76.2346, 0.1992, 0.1777

# Square

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



76.2346, 0.3125, 0.5248



76.2346, 0.1403, 0.2296



76.2346, 0.2817, 0.1978



76.2346, 0.5209, 0.3730



# Rectangle

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



76.2346, 0.3125, 0.5248



76.2346, 0.1769, 0.3604



76.2346, 0.2817, 0.1978



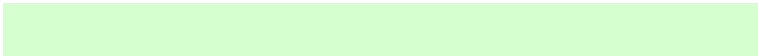
76.2346, 0.4603, 0.2819

# Sweetspot

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



76.2378, 0.3125, 0.5248



90.1495, 0.3143, 0.3807



80.9312, 0.4117, 0.4577



19.0229, 0.3144, 0.3895



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.



76.2378, 0.3125, 0.5248



74.1630, 0.3100, 0.5592



76.4259, 0.2802, 0.4595



20.2841, 0.3136, 0.3534



37.5834, 0.3035, 0.5972



3.6934, 0.3091, 0.5928



# Inverse Universe

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



33.2579, 0.2999, 0.1773



27.9529, 0.2959, 0.1572



33.8467, 0.3810, 0.2320



18.1705, 0.3117, 0.3054



11.8558, 0.2874, 0.1357

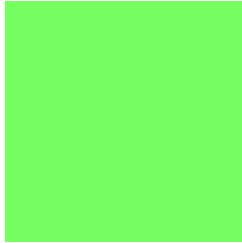


1.1869, 0.2915, 0.1379



# Previews

## White Background



This preview shows how the Yxy color 76.2346, 0.3125, 0.5248 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

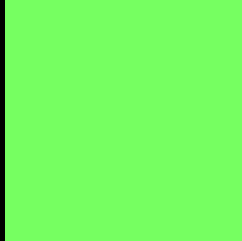
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 76.2346, 0.3125, 0.5248 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

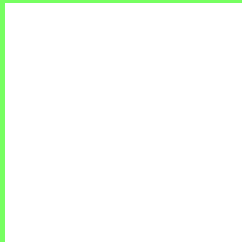
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 76.2346, 0.3125, 0.5248**

## **Background**



This preview shows how black text looks on a background with the Yxy color 76.2346, 0.3125, 0.5248.

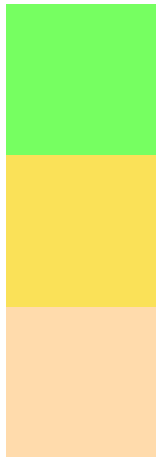


This preview shows how white text looks on a background with the Yxy color 76.2346, 0.3125, 0.5248.

# 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

76.2346, 0.3125, 0.5248

### Protanopia

74.8790, 0.4176, 0.4591

### Deuteranopia

74.9016, 0.3729, 0.3773



## Tritanopia

75.9461, 0.2583, 0.3097

# Trichromacy



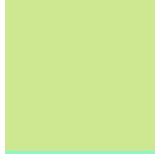
## Original Color

76.2346, 0.3125, 0.5248



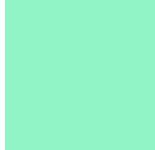
## Protanomaly

73.3028, 0.3734, 0.4867



## Deuteranomaly

72.7367, 0.3487, 0.4289



## Tritanomaly

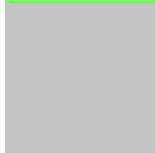
74.7983, 0.2795, 0.3855

# Monochromacy



## Original Color

76.2346, 0.3125, 0.5248



## Achromatopsia

55.2011, 0.3127, 0.3290



## Achromatomaly

60.4886, 0.3149, 0.4026

# CSS Examples

## Text

The CSS property to change the color of the text to  $Yxy$  76.2346, 0.3125, 0.5248 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(118, 255, 97)` looks like.

```
.text, #text, p{  
    color:rgb(118, 255, 97)  
}
```

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(118, 255, 97) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 255, 97) }
```

## Border

The CSS property to change the border of an element to Yxy 76.2346, 0.3125, 0.5248 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(118, 255, 97) }
```

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

```
.border{ border-color:rgb(118, 255, 97) }
```

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

Here you see how a box with a 4 pixel `rgb(118, 255, 97)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 255, 97); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 255, 97);  
box-shadow:4px 4px 4px 4px rgb(118, 255,  
97) }
```



# Background

The CSS property to change the background color of an element to Yxy 76.2346, 0.3125, 0.5248 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 255, 97) }
```

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

```
.background{ background-color: rgb(118,  
255, 97) }
```

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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