

# Converting Colors

$Y_{xy}(74.7359, 0.3235, 0.5752)$

Have a look what the booklet for  
Yxy(74.7359, 0.3235, 0.5752)  
contains.

<b>Yxy(74.7204, 0.3234, 0.5751)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

**Color**

**Yxy(74.7204, 0.3234, 0.5751)**

# Conversions

## Conversions Part 1

Format	Color
Hex	6BFF1A
RGB	107, 255, 26
RGB Percent	42%, 100%, 10%
CMY	0.5800, 0.0000, 0.8978
CMYK	0.58, 0.00, 0.90, 0.00
HSL	99°, 100%, 55%
HSV	99°, 90%, 100%
XYZ	42.0180, 74.7204, 13.1875
YIQ	184.6420, -14.6990, -102.5950

# Conversions

## Conversions Part 2

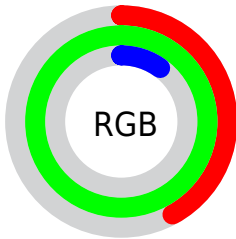
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	26, 255, 174
Decimal	7077658
CIELab	89.26, -72.82, 82.53
CIElCh	89, 110.067, 131.423
Yxy	74.7204, 0.3234, 0.5751
Android (android.graphics.Color)	4285267738 (0xFF6BFF1A)
YUV	184.6420, -78.2105, -68.0920
Hunter-Lab	86.4410, -64.5047, 51.4634

# Details

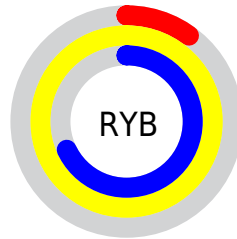
The Yxy color **74.7204, 0.3234, 0.5751** is a dark color, and the websafe version is hex **66FF00**. The color can be described as dark washed chartreuse. A complement of this color would be **16.9561, 0.2410, 0.1139**, and the grayscale version is **48.7730, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.2108, 0.3418, 0.5041**, and **39.9712, 0.3006, 0.5995** is the 20% darker color. If you saturate the color by 10%, you get **73.7233, 0.3180, 0.5856**, and if you desaturate by 10%, it is **76.0140, 0.3277, 0.5583**.

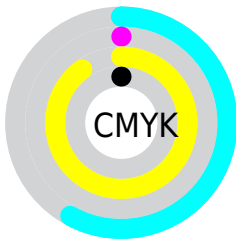
# Distribution



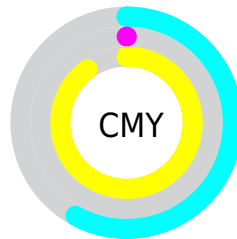
- Red (42%)
- Green (100%)
- Blue (10%)



- Red (10%)
- Yellow (100%)
- Blue (68%)



- Cyan (58%)
- Magenta (0%)
- Yellow (90%)
- Black (0%)




- Cyan (58%)
- Magenta (0%)
- Yellow (90%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 74.7204, 0.3234, 0.5751 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 74.7204, 0.3234, 0.5751 by changing the saturation by 10% instead.





 74.7204, 0.3234,  
0.5751


 74.7204, 0.3234,  
0.5751


476.9560, 0.3304,  
0.4560

 55.3839, 0.3181,  
0.6012


 125.9165, 0.3287,  
0.5341

 39.7091, 0.3098,  
0.6322


 158.5448, 0.3299,  
0.5180


 27.3118, 0.2964,  
0.6685


 196.3726, 0.3306,  
0.5040

 17.8076, 0.2771,  
0.7162

 239.7841, 0.3309,  
0.4919

 10.8119, 0.2413,  
0.7587

 289.1638, 0.3310,  
0.4812

 5.9405, 0.1896,  
0.8104


 344.8961, 0.3309,

 2.8089, 0.0814,


0.4718


0.9186


407.3654, 0.3307,  
0.4635


 1.0328, 0.0000,  
1.0000


 0.0000, 0.0000,  
0.0000

 74.7204, 0.3234,  
0.5751


 74.7204, 0.3234,  
0.5751


 73.7233, 0.3180,  
0.5856


 76.0140, 0.3277,  
0.5583


 73.7038, 0.3179,  
0.5858


 77.6327, 0.3304,  
0.5352


 79.6069, 0.3313,  
0.5072

 81.9601, 0.3305,  
0.4762

 84.7135, 0.3284,  
0.4440

 87.8868, 0.3252,  
0.4122

 91.4980, 0.3213,  
0.3820

 95.5641, 0.3171,  
0.3539

99.9975, 0.3127,  
0.3290

# Harmonies

## Analogous

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



74.7204, 0.4332, 0.5284



74.7204, 0.3234, 0.5751



74.7204, 0.2164, 0.4986

# Triad

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



74.7204, 0.3234, 0.5751



74.7204, 0.1245, 0.1667



74.7204, 0.5086, 0.2822

# Complementary

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



74.7204, 0.3234, 0.5751



16.9561, 0.2410, 0.1139

# 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.



74.7204, 0.3829, 0.2165



74.7204, 0.3234, 0.5751



74.7204, 0.1681, 0.1537

# Square

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



74.7204, 0.3234, 0.5751



74.7204, 0.1152, 0.2214



74.7204, 0.2545, 0.1713



74.7204, 0.5598, 0.3568



# Rectangle

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



74.7204, 0.3234, 0.5751



74.7204, 0.1619, 0.3919



74.7204, 0.2545, 0.1713



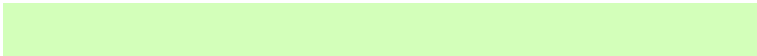
74.7204, 0.4719, 0.2588

# Sweetspot

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



74.7236, 0.3234, 0.5751



88.8494, 0.3242, 0.4036



50.4797, 0.4901, 0.4418



18.7663, 0.3254, 0.4142



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.



74.7236, 0.3234, 0.5751



73.7064, 0.3179, 0.5858



72.0292, 0.2960, 0.5775



20.4808, 0.3169, 0.3532



38.5886, 0.3190, 0.5849



3.8157, 0.3276, 0.5781



# Inverse Universe

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



16.9561, 0.2410, 0.1139



15.1922, 0.2320, 0.1052



27.4081, 0.3539, 0.1759



17.9599, 0.3081, 0.3052



8.0250, 0.2334, 0.1059

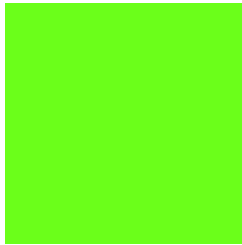


0.8426, 0.2434, 0.1114



# Previews

## White Background



This preview shows how the Yxy color 74.7204, 0.3234, 0.5751 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

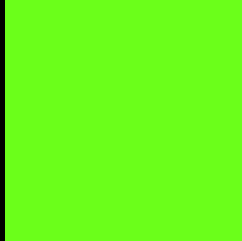
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 74.7204, 0.3234, 0.5751 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

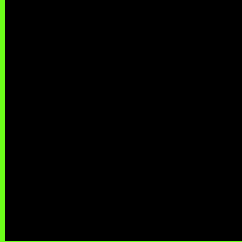
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

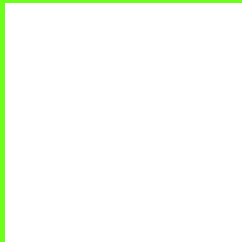
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 74.7204, 0.3234, 0.5751**

## **Background**



This preview shows how black text looks on a background with the Yxy color 74.7204, 0.3234, 0.5751.

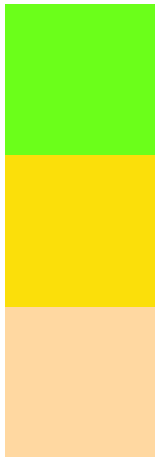


This preview shows how white text looks on a background with the Yxy color 74.7204, 0.3234, 0.5751.

# 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

74.7204, 0.3234, 0.5751

### Protanopia

73.3065, 0.4401, 0.4872

### Deuteranopia

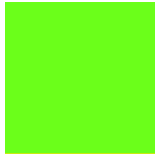
72.9449, 0.3818, 0.3856



## Tritanopia

74.2724, 0.2528, 0.3083

# Trichromacy



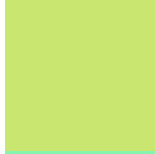
## Original Color

74.7204, 0.3234, 0.5751



## Protanomaly

71.5962, 0.3910, 0.5247



## Deuteranomaly

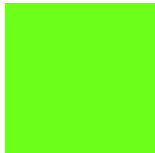
70.1810, 0.3652, 0.4634



## Tritanomaly

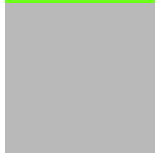
72.7483, 0.2871, 0.4209

# Monochromacy



## Original Color

74.7204, 0.3234, 0.5751



## Achromatopsia

48.5150, 0.3127, 0.3290



## Achromatomaly

54.7936, 0.3287, 0.4416

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 74.7204, 0.3234, 0.5751 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(107, 255, 26)` looks like.

```
.text, #text, p{  
    color:rgb(107, 255, 26)  
}
```

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(107, 255, 26) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 255, 26) }
```

## Border

The CSS property to change the border of an element to Yxy 74.7204, 0.3234, 0.5751 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(107, 255, 26) }
```

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

```
.border{ border-color:rgb(107, 255, 26) }
```

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

Here you see how a box with a 4 pixel `rgb(107, 255, 26)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(107, 255, 26); -webkit-box-  
shadow:4px 4px 4px 4px rgb(107, 255, 26);  
box-shadow:4px 4px 4px 4px rgb(107, 255,  
26) }
```



# Background

The CSS property to change the background color of an element to Yxy 74.7204, 0.3234, 0.5751 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 255, 26) }
```

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

```
.background{ background-color: rgb(107,  
255, 26) }
```

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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