

# Converting Colors

$Y_{xy}(72.9319, 0.3180, 0.5536)$

Have a look what the booklet for  
Yxy(72.9319, 0.3180, 0.5536)  
contains.

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# Color

**Yxy(73.2537, 0.3181, 0.5539)**

# Conversions

## Conversions Part 1

Format	Color
Hex	6DFC41
RGB	109, 252, 65
RGB Percent	43%, 99%, 25%
CMY	0.5727, 0.0117, 0.7449
CMYK	0.57, 0.00, 0.74, 0.01
HSL	106°, 97%, 62%
HSV	106°, 74%, 99%
XYZ	42.0690, 73.2537, 16.9281
YIQ	187.9250, -25.2010, -88.4730

# Conversions

## Conversions Part 2

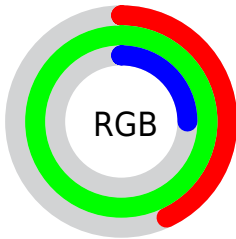
Format	Color
<a href="#">RYB</a>	<a href="#">65, 252, 208</a>
Decimal	<a href="#">7208001</a>
CIELab	<a href="#">88.57, -69.68, 72.75</a>
CIELCh	<a href="#">89, 100.736, 133.766</a>
Yxy	<a href="#">73.2537, 0.3181, 0.5539</a>
Android (android.graphics.Color)	<a href="#">4285398081 (0xFF6DFC41)</a>
YUV	<a href="#">187.9250, -60.6020, -69.2172</a>
Hunter-Lab	<a href="#">85.5884, -62.0421, 48.1852</a>

# Details

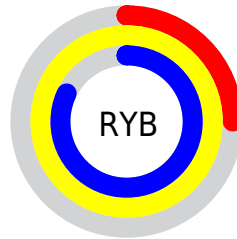
The Yxy color **73.2537, 0.3181, 0.5539** is a dark color, and the websafe version is hex **66FF33**. The color can be described as middle washed chartreuse. A complement of this color would be **24.2355, 0.2772, 0.1477**, and the grayscale version is **50.6052, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.8595, 0.3324, 0.4805**, and **38.7902, 0.3033, 0.5974** is the 20% darker color. If you saturate the color by 10%, you get **71.9357, 0.3147, 0.5749**, and if you desaturate by 10%, it is **74.9762, 0.3203, 0.5266**.

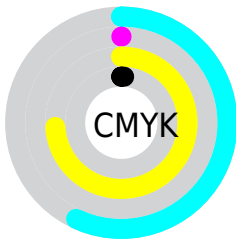
# Distribution



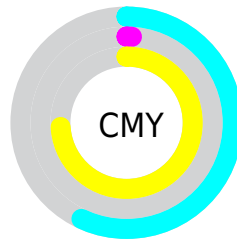
- Red (43%)
- Green (99%)
- Blue (25%)



- Red (25%)
- Yellow (99%)
- Blue (82%)



- Cyan (57%)
- Magenta (0%)
- Yellow (74%)
- Black (1%)




- Cyan (57%)
- Magenta (1%)
- Yellow (74%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 73.2537, 0.3181, 0.5539 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 73.2537, 0.3181, 0.5539 by changing the saturation by 10% instead.




 73.2537, 0.3181,  
0.5539


 73.2537, 0.3181,  
0.5539


471.8936, 0.3248,  
0.4433


 54.1834, 0.3137,  
0.5792


 123.8373, 0.3227,  
0.5151

 38.7483, 0.3067,  
0.6098


 156.1194, 0.3238,  
0.5001

 26.5640, 0.2954,  
0.6469


 193.5743, 0.3244,  
0.4872

 17.2460, 0.2771,  
0.6921

 236.5863, 0.3248,  
0.4760

 10.4101, 0.2488,  
0.7512

 285.5399, 0.3250,  
0.4663

 5.6717, 0.1974,  
0.8026

340.8193, 0.3250,

 2.6465, 0.0872,

0.4577

0.9128

402.8091, 0.3250,  
0.4501

0.9501, 0.0000,  
1.0000

0.0000, 0.0000,  
0.0000

73.2537, 0.3181,  
0.5539

73.2537, 0.3181,  
0.5539

71.9357, 0.3147,  
0.5749

74.9762, 0.3203,  
0.5266


70.9763, 0.3106,  
0.5886


77.1254, 0.3213,  
0.4951


70.5617, 0.3081,  
0.5936


79.7325, 0.3212,  
0.4616

82.8230, 0.3202,  
0.4280

 86.4205, 0.3184,  
0.3960

 90.5469, 0.3162,  
0.3663

 95.2231, 0.3138,  
0.3394

 98.1056, 0.3128,  
0.3262

# Harmonies

## Analogous

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



73.2537, 0.4222, 0.5233



73.2537, 0.3181, 0.5539



73.2537, 0.2178, 0.4729

# Triad

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



73.2537, 0.3181, 0.5539



73.2537, 0.1366, 0.1744



73.2537, 0.5006, 0.2921

# Complementary

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



73.2537, 0.3181, 0.5539



24.2355, 0.2772, 0.1477

# 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.



73.2537, 0.3883, 0.2280



73.2537, 0.3181, 0.5539



73.2537, 0.1818, 0.1637

# Square

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



73.2537, 0.3181, 0.5539



73.2537, 0.1256, 0.2241



73.2537, 0.2673, 0.1827



73.2537, 0.5433, 0.3649



# Rectangle

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



73.2537, 0.3181, 0.5539



73.2537, 0.1677, 0.3761



73.2537, 0.2673, 0.1827



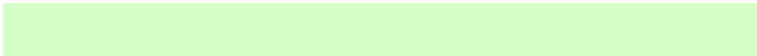
73.2537, 0.4684, 0.2694

# Sweetspot

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



73.2568, 0.3181, 0.5539



89.6479, 0.3180, 0.3893



64.8688, 0.4434, 0.4566



18.9555, 0.3185, 0.3976



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.



73.2568, 0.3181, 0.5539



73.3698, 0.3128, 0.5825



71.9157, 0.2874, 0.5179



19.5060, 0.3151, 0.3533



36.8092, 0.3090, 0.5928



3.4553, 0.3169, 0.5866



# Inverse Universe

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



24.2355, 0.2772, 0.1477



20.5648, 0.2677, 0.1288



28.9027, 0.3720, 0.2025



17.3070, 0.3100, 0.3054



9.6234, 0.2620, 0.1217

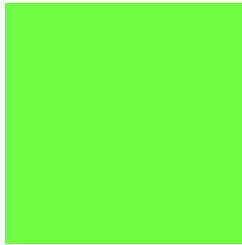


0.9392, 0.2693, 0.1257



# Previews

## White Background



This preview shows how the Yxy color 73.2537, 0.3181, 0.5539 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

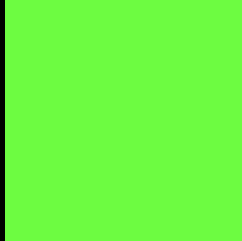
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 73.2537, 0.3181, 0.5539 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

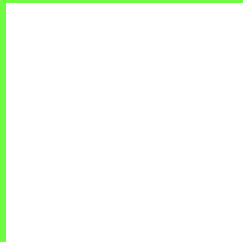
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 73.2537, 0.3181, 0.5539**

## Background



This preview shows how black text looks on a background with the Yxy color 73.2537, 0.3181, 0.5539.

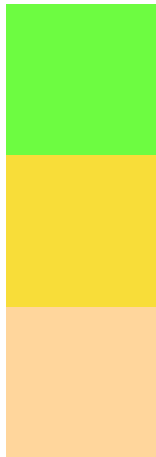


This preview shows how white text looks on a background with the Yxy color 73.2537, 0.3181, 0.5539.

# 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

73.2537, 0.3181, 0.5539

### Protanopia

71.9648, 0.4308, 0.4747

### Deuteranopia

71.7534, 0.3862, 0.3887



## Tritanopia

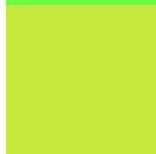
72.6834, 0.2511, 0.3069

# Trichromacy



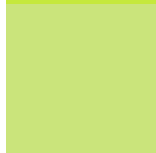
## Original Color

73.2537, 0.3181, 0.5539



## Protanomaly

69.9098, 0.3830, 0.5081



## Deuteranomaly

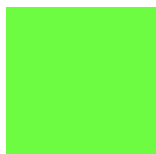
69.4734, 0.3607, 0.4501



## Tritanomaly

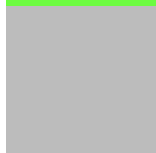
71.3999, 0.2797, 0.4004

# Monochromacy



## Original Color

73.2537, 0.3181, 0.5539



## Achromatopsia

50.2886, 0.3127, 0.3290



## Achromatomaly

55.9426, 0.3198, 0.4205

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 73.2537, 0.3181, 0.5539 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(109, 252, 65)` looks like.

```
.text, #text, p{  
    color:rgb(109, 252, 65)  
}
```

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(109, 252, 65) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 252, 65) }
```

## Border

The CSS property to change the border of an element to Yxy 73.2537, 0.3181, 0.5539 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(109, 252, 65) }
```

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

```
.border{ border-color:rgb(109, 252, 65) }
```

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

Here you see how a box with a 4 pixel `rgb(109, 252, 65)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(109, 252, 65); -webkit-box-shadow:4px 4px 4px 4px rgb(109, 252, 65); box-shadow:4px 4px 4px 4px rgb(109, 252, 65) }
```



# Background

The CSS property to change the background color of an element to Yxy 73.2537, 0.3181, 0.5539 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 252, 65) }
```

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

```
.background{ background-color: rgb(109,  
252, 65) }
```

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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