

# Converting Colors

Yxy(75.3143, 0.3036, 0.5239)

Have a look what the booklet for  
Yxy(75.3143, 0.3036, 0.5239)  
contains.

<b>Yxy(75.3041, 0.3036, 0.5239)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# Color

**Yxy(75.3041, 0.3036, 0.5239)**

# Conversions

## Conversions Part 1

Format	Color
Hex	66FF66
RGB	102, 255, 102
RGB Percent	40%, 100%, 40%
CMY	0.5999, 0.0000, 0.6001
CMYK	0.60, 0.00, 0.60, 0.00
HSL	120°, 100%, 70%
HSV	120°, 60%, 100%
XYZ	43.6387, 75.3041, 24.7947
YIQ	191.8110, -42.0750, -80.0190

# Conversions

## Conversions Part 2

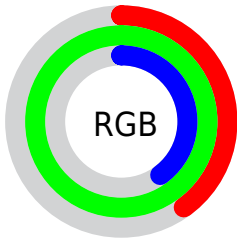
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">102, 255, 255</a>
Decimal	<a href="#">6750054</a>
CIELab	<a href="#">89.54, -69.17, 59.83</a>
CIELCh	<a href="#">90, 91.449, 139.141</a>
Yxy	<a href="#">75.3041, 0.3036, 0.5239</a>
Android (android.graphics.Color)	<a href="#">4284940134 (0xFF66FF66)</a>
YUV	<a href="#">191.8110, -44.2768, -78.7642</a>
Hunter-Lab	<a href="#">86.7779, -62.0977, 43.8039</a>

# Details

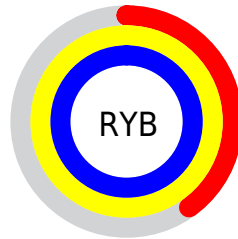
The Yxy color **75.3041, 0.3036, 0.5239** is a light color, and the websafe version is hex **66FF66**, and the color name is **screamin' green**. A complement of this color would be **37.9625, 0.3192, 0.1893**, and the grayscale version is **52.8808, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.0613, 0.3123, 0.4452**, and **40.1220, 0.2932, 0.5755** is the 20% darker color. If you saturate the color by 10%, you get **73.6071, 0.3022, 0.5546**, and if you desaturate by 10%, it is **77.6165, 0.3052, 0.4890**.

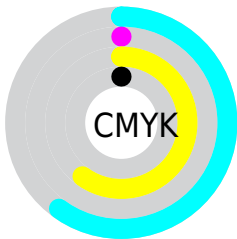
# Distribution



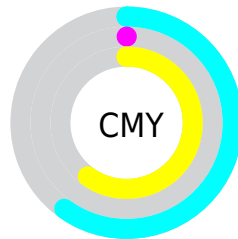
- Red (40%)
- Green (100%)
- Blue (40%)



- Red (40%)
- Yellow (100%)
- Blue (100%)



- Cyan (60%)
- Magenta (0%)
- Yellow (60%)
- Black (0%)




- Cyan (60%)
- Magenta (0%)
- Yellow (60%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 75.3041, 0.3036, 0.5239 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 75.3041, 0.3036, 0.5239 by changing the saturation by 10% instead.



 75.3041, 0.3036,  
0.5239


 75.3041, 0.3036,  
0.5239


478.9621, 0.3140,  
0.4271

 55.8621, 0.2994,  
0.5469


 126.7427, 0.3086,  
0.4894


 40.0923, 0.2932,  
0.5753


 159.5081, 0.3102,  
0.4763

 27.6105, 0.2837,  
0.6111


 197.4834, 0.3113,  
0.4650

 18.0323, 0.2688,  
0.6567

 241.0530, 0.3122,  
0.4553

 10.9732, 0.2450,  
0.7169

290.6012, 0.3128,  
0.4469

 6.0488, 0.2052,  
0.7948


346.5126, 0.3133,


 2.8748, 0.1132,


0.4395


0.8868


409.1714, 0.3137,  
0.4330


 1.0667, 0.0000,  
1.0000


 0.0000, 0.0000,  
0.0000


 75.3041, 0.3036,  
0.5239


 75.3041, 0.3036,  
0.5239


 73.6071, 0.3022,  
0.5546


 77.6165, 0.3052,  
0.4890


 72.4639, 0.3010,  
0.5783


 80.5918, 0.3069,  
0.4527

 71.8061, 0.3003,  
0.5932

 84.2769, 0.3086,  
0.4173

 71.5207, 0.3000,  
0.6000

 88.7132, 0.3101,  
0.3845

 93.9392, 0.3115,  
0.3550

99.9906, 0.3127,  
0.3290

100.0000, 0.3127,  
0.3290

# Harmonies

## Analogous

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



75.3041, 0.4009, 0.5175



75.3041, 0.3036, 0.5239



75.3041, 0.2137, 0.4349

# Triad

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



75.3041, 0.3036, 0.5239



75.3041, 0.1546, 0.1827



75.3041, 0.4949, 0.3090

# Complementary

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



75.3041, 0.3036, 0.5239



37.9625, 0.3192, 0.1893

# Split Complementary

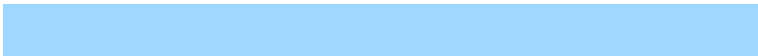
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



75.3041, 0.4019, 0.2463



75.3041, 0.3036, 0.5239



75.3041, 0.2040, 0.1772

# Square

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



75.3041, 0.3036, 0.5239



75.3041, 0.1388, 0.2230



75.3041, 0.2902, 0.1997



75.3041, 0.5223, 0.3793



# Rectangle

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



75.3041, 0.3036, 0.5239



75.3041, 0.1711, 0.3496



75.3041, 0.2902, 0.1997



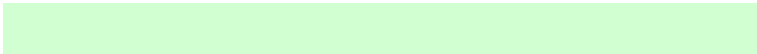
75.3041, 0.4696, 0.2870

# Sweetspot

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



75.3052, 0.3036, 0.5239



89.7013, 0.3104, 0.3783



92.1220, 0.3991, 0.4678



18.8965, 0.3100, 0.3873



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.



75.3052, 0.3036, 0.5239



73.3380, 0.3019, 0.5599



77.4745, 0.2727, 0.4305



20.1686, 0.3116, 0.3536



37.3713, 0.3000, 0.6000



3.6388, 0.3000, 0.6000



# Inverse Universe

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



37.9625, 0.3192, 0.1893



33.0219, 0.3200, 0.1717



34.0930, 0.3999, 0.2509



18.3000, 0.3138, 0.3056



14.8703, 0.3208, 0.1541

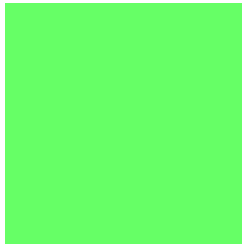


1.4480, 0.3208, 0.1541



# Previews

## White Background



This preview shows how the Yxy color 75.3041, 0.3036, 0.5239 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 75.3041, 0.3036, 0.5239 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

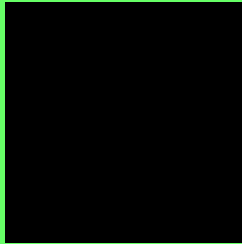
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 75.3041, 0.3036, 0.5239**

## **Background**



This preview shows how black text looks on a background with the Yxy color 75.3041, 0.3036, 0.5239.

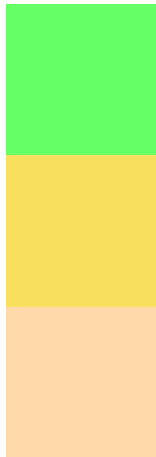


This preview shows how white text looks on a background with the Yxy color 75.3041, 0.3036, 0.5239.

# 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

75.3041, 0.3036, 0.5239

### Protanopia

73.5221, 0.4150, 0.4549

### Deuteranopia

73.7503, 0.3757, 0.3784



## Tritanopia

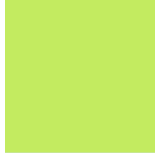
74.9484, 0.2535, 0.3095

# Trichromacy



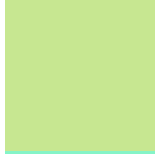
## Original Color

75.3041, 0.3036, 0.5239



## Protanomaly

71.8633, 0.3664, 0.4847



## Deuteranomaly

71.3383, 0.3446, 0.4294



## Tritanomaly

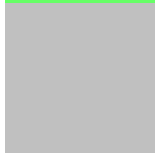
73.8114, 0.2730, 0.3851

# Monochromacy



## Original Color

75.3041, 0.3036, 0.5239



## Achromatopsia

52.7115, 0.3127, 0.3290



## Achromatomaly

58.4750, 0.3092, 0.4031

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 75.3041, 0.3036, 0.5239 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(102, 255, 102)` looks like.

```
.text, #text, p{  
    color:rgb(102, 255, 102)  
}
```

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(102, 255, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 255, 102) }
```

## Border

The CSS property to change the border of an element to Yxy 75.3041, 0.3036, 0.5239 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(102, 255, 102) }
```

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

```
.border{ border-color:rgb(102, 255, 102) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 255, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 255, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 255, 102);  
box-shadow:4px 4px 4px 4px rgb(102, 255,  
102) }
```



# Background

The CSS property to change the background color of an element to Yxy 75.3041, 0.3036, 0.5239 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 255, 102) }
```

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

```
.background{ background-color: rgb(102,  
255, 102) }
```

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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