

# Converting Colors

$Yxy(37.9831, 0.3017, 0.5325)$

Have a look what the booklet for  
Yxy(37.9831, 0.3017, 0.5325)  
contains.

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**Color**

**Yxy(37.9831, 0.3017, 0.5325)**

# Conversions

## Conversions Part 1

Format	Color
Hex	42BD45
RGB	66, 189, 69
RGB Percent	26%, 74%, 27%
CMY	0.7410, 0.2588, 0.7294
CMYK	0.65, 0.00, 0.63, 0.26
HSL	121°, 48%, 50%
HSV	121°, 65%, 74%
XYZ	21.5202, 37.9831, 11.8265
YIQ	138.5430, -34.7880, -63.3960

# Conversions

## Conversions Part 2

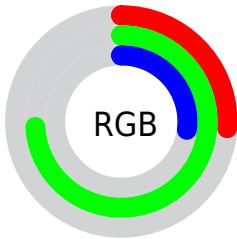
<b>Format</b>	<b>Color</b>
<b>RYB</b>	66, 186, 189
Decimal	4373829
CIELab	68.01, -57.36, 49.42
CIElCh	68, 75.709, 139.253
Yxy	37.9831, 0.3017, 0.5325
Android (android.graphics.Color)	4282563909 (0xFF42BD45)
YUV	138.5430, -34.2847, -63.6202
Hunter-Lab	61.6304, -45.5244, 31.7639

# Details

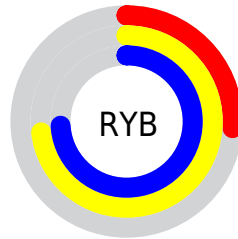
The Yxy color **37.9831, 0.3017, 0.5325** is a dark color, and the websafe version is hex **33CC66**. A complement of this color would be **18.2665, 0.3232, 0.1856**, and the grayscale version is **25.7823, 0.3127, 0.3290**.

A 20% lighter version of the original color is **71.9059, 0.3083, 0.4886**, and **17.0699, 0.2983, 0.5938** is the 20% darker color. If you saturate the color by 10%, you get **37.2382, 0.3006, 0.5607**, and if you desaturate by 10%, it is **39.0192, 0.3032, 0.4997**.

# Distribution



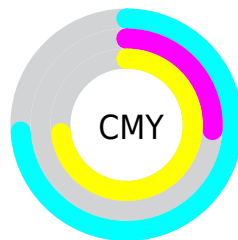
- Red (26%)
- Green (74%)
- Blue (27%)



- Red (26%)
- Yellow (73%)
- Blue (74%)



- Cyan (65%)
- Magenta (0%)
- Yellow (63%)
- Black (26%)




- Cyan (74%)
- Magenta (26%)
- Yellow (73%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 37.9831, 0.3017, 0.5325 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 37.9831, 0.3017, 0.5325 by changing the saturation by 10% instead.




 37.9831, 0.3017,  
0.5325


 37.9831, 0.3017,  
0.5325


337.5475, 0.3141,  
0.4196


 25.9696, 0.2955,  
0.5634


 72.0822, 0.3083,  
0.4892


 16.8009, 0.2853,  
0.6040


 94.9366, 0.3102,  
0.4735


 10.0926, 0.2677,  
0.6582


 122.1734, 0.3114,  
0.4606

 5.4604, 0.2440,  
0.7560

 154.1771, 0.3124,  
0.4497

 2.5199, 0.1641,  
0.8359

 191.3319, 0.3130,  
0.4405

 0.8865, 0.0000,  
1.0000

234.0223, 0.3135,

 0.0000, 0.0000,

0.4326

0.0000

282.6327, 0.3139,  
0.4257

■ 37.9831, 0.3017,  
0.5325

■ 37.9831, 0.3017,  
0.5325

■ 37.2382, 0.3006,  
0.5607

■ 39.0192, 0.3032,  
0.4997

■ 36.7506, 0.2999,  
0.5818

■ 40.3671, 0.3049,  
0.4648

■ 36.4866, 0.2998,  
0.5947

■ 42.0508, 0.3068,  
0.4302

■ 36.4055, 0.2996,  
0.5985

■ 44.0907, 0.3086,  
0.3975

■ 46.5056, 0.3103,  
0.3677

■ 49.3131, 0.3120,  
0.3411

■ 52.5296, 0.3134,  
0.3179

■ 56.1704, 0.3147,  
0.2979

■ 60.2502, 0.3159,  
0.2806

# Harmonies

## Analogous

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



37.9831, 0.4019, 0.5239



37.9831, 0.3017, 0.5325



37.9831, 0.2094, 0.4391

# Triad

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



37.9831, 0.3017, 0.5325



37.9831, 0.1501, 0.1780



37.9831, 0.5022, 0.3078

# Complementary

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



37.9831, 0.3017, 0.5325



18.2665, 0.3232, 0.1856

# 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.



37.9831, 0.4056, 0.2437



37.9831, 0.3017, 0.5325



37.9831, 0.2006, 0.1728

# Square

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



37.9831, 0.3017, 0.5325



37.9831, 0.1338, 0.2186



37.9831, 0.2895, 0.1959



37.9831, 0.5294, 0.3795



# Rectangle

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



37.9831, 0.3017, 0.5325



37.9831, 0.1660, 0.3494



37.9831, 0.2895, 0.1959



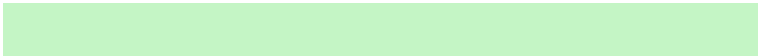
37.9831, 0.4760, 0.2853

# Sweetspot

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



37.9847, 0.3017, 0.5325



80.9303, 0.3094, 0.3829



47.3480, 0.3998, 0.4772



17.1492, 0.3089, 0.3915



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290



# Same Dimension

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



37.9847, 0.3017, 0.5325



66.2743, 0.3002, 0.5705



39.1552, 0.2691, 0.4310



10.6533, 0.3113, 0.3521



24.4962, 0.2995, 0.5982



0.9608, 0.2975, 0.5911



# Inverse Universe

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



18.2665, 0.3232, 0.1856



28.3048, 0.3251, 0.1683



16.2123, 0.4156, 0.2527



9.6922, 0.3141, 0.3069



9.6221, 0.3269, 0.1575



0.3782, 0.3254, 0.1566



# Previews

## White Background



This preview shows how the Yxy color 37.9831, 0.3017, 0.5325 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 37.9831, 0.3017, 0.5325 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 37.9831, 0.3017, 0.5325**

## **Background**



This preview shows how black text looks on a background with the Yxy color 37.9831, 0.3017, 0.5325.



This preview shows how white text looks on a background with the Yxy color 37.9831, 0.3017, 0.5325.

# 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

37.9831, 0.3017, 0.5325

### Protanopia

37.4484, 0.4182, 0.4593

### Deuteranopia

37.3750, 0.4325, 0.4244



## Tritanopia

37.8025, 0.2453, 0.3074

# Trichromacy



## Original Color

37.9831, 0.3017, 0.5325



## Protanomaly

36.3165, 0.3660, 0.4909



## Deuteranomaly

35.6562, 0.3749, 0.4674



## Tritanomaly

37.1328, 0.2665, 0.3861

# Monochromacy



## Original Color

37.9831, 0.3017, 0.5325



## Achromatopsia

25.8183, 0.3127, 0.3290



## Achromatomaly

28.7736, 0.3072, 0.4060

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 37.9831, 0.3017, 0.5325 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(66, 189, 69)` looks like.

```
.text, #text, p{  
    color:rgb(66, 189, 69)  
}
```

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(66, 189, 69) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(66, 189, 69) }
```

## Border

The CSS property to change the border of an element to Yxy 37.9831, 0.3017, 0.5325 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(66, 189, 69) }
```

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

```
.border{ border-color:rgb(66, 189, 69) }
```

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

Here you see how a box with a 4 pixel `rgb(66, 189, 69)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(66, 189, 69); -webkit-box-  
shadow:4px 4px 4px 4px rgb(66, 189, 69);  
box-shadow:4px 4px 4px 4px rgb(66, 189,  
69) }
```



# Background

The CSS property to change the background color of an element to Yxy 37.9831, 0.3017, 0.5325 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(66, 189, 69) }
```

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

```
.background{ background-color: rgb(66, 189,  
69) }
```

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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