

# Converting Colors

Yxy(52.7633, 0.3088, 0.5272)

Have a look what the booklet for  
Yxy(52.7633, 0.3088, 0.5272)  
contains.

<b>Yxy(52.5469, 0.3092, 0.5272)</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(52.5469, 0.3092, 0.5272)**

# Conversions

## Conversions Part 1

Format	Color
Hex	5DD951
RGB	93, 217, 81
RGB Percent	36%, 85%, 32%
CMY	0.6350, 0.1490, 0.6823
CMYK	0.57, 0.00, 0.63, 0.15
HSL	115°, 64%, 58%
HSV	115°, 63%, 85%
XYZ	30.8185, 52.5469, 16.3063
YIQ	164.4200, -30.2480, -68.5840

# Conversions

## Conversions Part 2

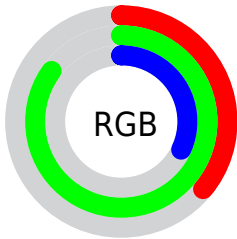
Format	Color
<a href="#">RYB</a>	<a href="#">81, 217, 205</a>
Decimal	<a href="#">6150481</a>
CIELab	<a href="#">77.61, -59.98, 55.18</a>
CIELCh	<a href="#">78, 81.500, 137.384</a>
Yxy	<a href="#">52.5469, 0.3092, 0.5272</a>
Android (android.graphics.Color)	<a href="#">4284340561 (0xFF5DD951)</a>
YUV	<a href="#">164.4200, -41.1261, -62.6353</a>
Hunter-Lab	<a href="#">72.4892, -50.9677, 37.4053</a>

# Details

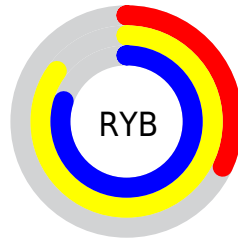
The Yxy color **52.5469, 0.3092, 0.5272** is a dark color, and the websafe version is hex **66CC33**. The color can be described as dark muted green. A complement of this color would be **23.8684, 0.3064, 0.1800**, and the grayscale version is **37.5571, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.1393, 0.3160, 0.4737**, and **25.5864, 0.2976, 0.5873** is the 20% darker color. If you saturate the color by 10%, you get **51.3709, 0.3073, 0.5562**, and if you desaturate by 10%, it is **54.0982, 0.3107, 0.4939**.

# Distribution



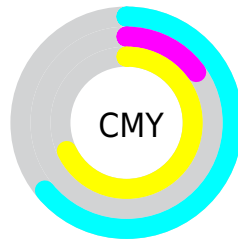
- Red (36%)
- Green (85%)
- Blue (32%)



- Red (32%)
- Yellow (85%)
- Blue (80%)



- Cyan (57%)
- Magenta (0%)
- Yellow (63%)
- Black (15%)




- Cyan (64%)
- Magenta (15%)
- Yellow (68%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 52.5469, 0.3092, 0.5272 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 52.5469, 0.3092, 0.5272 by changing the saturation by 10% instead.




 52.5469, 0.3092,  
0.5272


 52.5469, 0.3092,  
0.5272

396.5443, 0.3175,  
0.4231


 37.4412, 0.3047,  
0.5536


 93.9373, 0.3139,  
0.4888

 25.5493, 0.2976,  
0.5870


 120.9908, 0.3152,  
0.4745


 16.4867, 0.2856,  
0.6302


 152.7956, 0.3161,  
0.4625

 9.8692, 0.2653,  
0.6876

 189.7362, 0.3166,  
0.4523

 5.3123, 0.2308,  
0.7692

 232.1970, 0.3170,  
0.4434

 2.4317, 0.1378,  
0.8622

280.5624, 0.3173,


 0.8421, 0.0000,


0.4358


1.0000

335.2167, 0.3174,  
0.4291


 0.0000, 0.0000,  
0.0000


 52.5469, 0.3092,  
0.5272


 52.5469, 0.3092,  
0.5272


 51.3709, 0.3073,  
0.5562

 54.0982, 0.3107,  
0.4939


 50.5323, 0.3052,  
0.5786


 56.0458, 0.3118,  
0.4588


 49.9966, 0.3030,  
0.5928


 58.4171, 0.3125,  
0.4242

 49.7644, 0.3017,  
0.5986


 61.2350, 0.3129,  
0.3917

 64.5209, 0.3129,  
0.3620

 68.2948, 0.3128,  
0.3355

 72.5755, 0.3125,  
0.3123

 77.3808, 0.3121,  
0.2921

 78.1036, 0.3145,  
0.2920

# Harmonies

## Analogous

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



52.5469, 0.4065, 0.5155



52.5469, 0.3092, 0.5272



52.5469, 0.2178, 0.4427

# Triad

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



52.5469, 0.3092, 0.5272



52.5469, 0.1523, 0.1834



52.5469, 0.4918, 0.3049

# Complementary

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



52.5469, 0.3092, 0.5272



23.8684, 0.3064, 0.1800

# 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.



52.5469, 0.3957, 0.2427



52.5469, 0.3092, 0.5272



52.5469, 0.1996, 0.1762

# Square

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



52.5469, 0.3092, 0.5272



52.5469, 0.1383, 0.2262



52.5469, 0.2840, 0.1972



52.5469, 0.5236, 0.3750



# Rectangle

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



52.5469, 0.3092, 0.5272



52.5469, 0.1735, 0.3570



52.5469, 0.2840, 0.1972



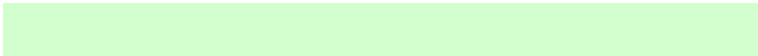
52.5469, 0.4651, 0.2830

# Sweetspot

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



52.5491, 0.3092, 0.5272



89.8291, 0.3129, 0.3809



58.2458, 0.4088, 0.4619



18.9471, 0.3129, 0.3898



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.



52.5491, 0.3092, 0.5272



73.6237, 0.3067, 0.5638



53.1347, 0.2779, 0.4528



14.6611, 0.3129, 0.3531



30.1455, 0.3021, 0.5983



1.9724, 0.3081, 0.5935



# Inverse Universe

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



23.8684, 0.3064, 0.1800



29.0435, 0.3038, 0.1600



23.2694, 0.3877, 0.2366



13.2131, 0.3124, 0.3059



10.3045, 0.2988, 0.1420



0.6851, 0.3026, 0.1441



# Previews

## White Background



This preview shows how the Yxy color 52.5469, 0.3092, 0.5272 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 52.5469, 0.3092, 0.5272 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 52.5469, 0.3092, 0.5272**

## **Background**



This preview shows how black text looks on a background with the Yxy color 52.5469, 0.3092, 0.5272.

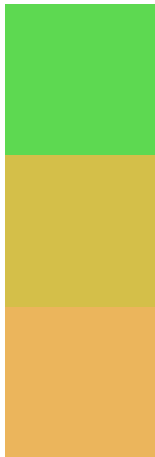


This preview shows how white text looks on a background with the Yxy color 52.5469, 0.3092, 0.5272.

# 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

52.5469, 0.3092, 0.5272

### Protanopia

51.7397, 0.4175, 0.4598

### Deuteranopia

51.4826, 0.4339, 0.4238



## Tritanopia

52.1643, 0.2501, 0.3063

# Trichromacy



## Original Color

52.5469, 0.3092, 0.5272



## Protanomaly

50.2654, 0.3717, 0.4875



## Deuteranomaly

49.3554, 0.3808, 0.4632



## Tritanomaly

51.4870, 0.2735, 0.3855

# Monochromacy



## Original Color

52.5469, 0.3092, 0.5272



## Achromatopsia

37.1238, 0.3127, 0.3290



## Achromatomaly

40.9915, 0.3125, 0.4038

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 52.5469, 0.3092, 0.5272 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(93, 217, 81)` looks like.

```
.text, #text, p{  
    color:rgb(93, 217, 81)  
}
```

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(93, 217, 81) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(93, 217, 81) }
```

## Border

The CSS property to change the border of an element to Yxy 52.5469, 0.3092, 0.5272 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(93, 217, 81) }
```

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

```
.border{ border-color:rgb(93, 217, 81) }
```

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

Here you see how a box with a 4 pixel `rgb(93, 217, 81)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(93, 217, 81); -webkit-box-  
shadow:4px 4px 4px 4px rgb(93, 217, 81);  
box-shadow:4px 4px 4px 4px rgb(93, 217,  
81) }
```



# Background

The CSS property to change the background color of an element to Yxy 52.5469, 0.3092, 0.5272 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(93, 217, 81) }
```

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

```
.background{ background-color: rgb(93, 217,  
81) }
```

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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