

# Converting Colors

Yxy(54.9587, 0.3067, 0.5267)

Have a look what the booklet for  
Yxy(54.9587, 0.3067, 0.5267)  
contains.

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# Color

**Yxy(55.1068, 0.3066, 0.5274)**

# Conversions

## Conversions Part 1

Format	Color
Hex	5BDE54
RGB	91, 222, 84
RGB Percent	36%, 87%, 33%
CMY	0.6432, 0.1294, 0.6704
CMYK	0.59, 0.00, 0.62, 0.13
HSL	117°, 68%, 60%
HSV	117°, 62%, 87%
XYZ	32.0359, 55.1068, 17.3450
YIQ	167.0990, -33.7780, -70.6900

# Conversions

## Conversions Part 2

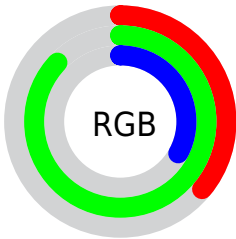
Format	Color
<a href="#">RYB</a>	<a href="#">84, 222, 215</a>
Decimal	<a href="#">6020692</a>
CIELab	<a href="#">79.10, -61.96, 55.55</a>
CIELCh	<a href="#">79, 83.217, 138.121</a>
Yxy	<a href="#">55.1068, 0.3066, 0.5274</a>
Android (android.graphics.Color)	<a href="#">4284210772</a> ( <a href="#">0xFF5BDE54</a> )
YUV	<a href="#">167.0990, -40.9678, -66.7388</a>
Hunter-Lab	<a href="#">74.2340, -52.8771, 38.1105</a>

# Details

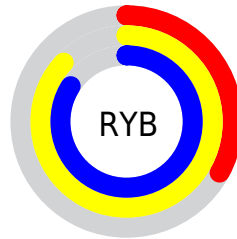
The Yxy color **55.1068, 0.3066, 0.5274** is a dark color, and the websafe version is hex **33CC33**. The color can be described as dark muted green. A complement of this color would be **26.0805, 0.3121, 0.1833**, and the grayscale version is **38.9112, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.1273, 0.3141, 0.4705**, and **27.3470, 0.2960, 0.5856** is the 20% darker color. If you saturate the color by 10%, you get **53.8894, 0.3049, 0.5568**, and if you desaturate by 10%, it is **56.7399, 0.3082, 0.4936**.

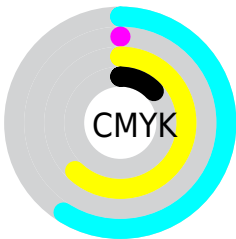
# Distribution



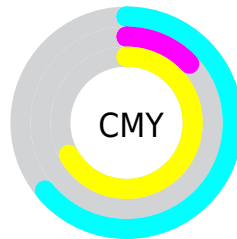
- Red (36%)
- Green (87%)
- Blue (33%)



- Red (33%)
- Yellow (87%)
- Blue (84%)



- Cyan (59%)
- Magenta (0%)
- Yellow (62%)
- Black (13%)



- Cyan (64%)
- Magenta (13%)
- Yellow (67%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 55.1068, 0.3066, 0.5274 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 55.1068, 0.3066, 0.5274 by changing the saturation by 10% instead.




 55.1068, 0.3066,  
0.5274

 55.1068, 0.3066,  
0.5274

406.3166, 0.3161,  
0.4239


 39.4872, 0.3020,  
0.5534


 97.6974, 0.3117,  
0.4894


 27.1390, 0.2947,  
0.5864


 125.4373, 0.3131,  
0.4751

 17.6776, 0.2828,  
0.6289


 157.9860, 0.3141,  
0.4632

 10.7188, 0.2627,  
0.6844

 195.7280, 0.3148,  
0.4530

 5.8781, 0.2311,  
0.7689

239.0477, 0.3153,  
0.4442

 2.7711, 0.1522,  
0.8478

288.3294, 0.3157,

 1.0134, 0.0000,

0.4365

1.0000

343.9576, 0.3159,  
0.4298

■ 0.0000, 0.0000,  
0.0000

■ 55.1068, 0.3066,  
0.5274

■ 55.1068, 0.3066,  
0.5274

■ 53.8894, 0.3049,  
0.5568

■ 56.7399, 0.3082,  
0.4936

■ 53.0442, 0.3032,  
0.5794

■ 58.8143, 0.3096,  
0.4581

■ 52.5300, 0.3016,  
0.5935


■ 61.3613, 0.3107,  
0.4231


■ 52.3173, 0.3009,  
0.5993

■ 64.4076, 0.3115,  
0.3904

■ 67.9778, 0.3122,  
0.3606

 72.0949, 0.3126,  
0.3342

 76.7808, 0.3129,  
0.3111

 80.7250, 0.3142,  
0.2970

# Harmonies

## Analogous

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



55.1068, 0.4044, 0.5174



55.1068, 0.3066, 0.5274



55.1068, 0.2154, 0.4403

# Triad

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



55.1068, 0.3066, 0.5274



55.1068, 0.1524, 0.1823



55.1068, 0.4944, 0.3064

# Complementary

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



55.1068, 0.3066, 0.5274



26.0805, 0.3121, 0.1833

# 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.



55.1068, 0.3989, 0.2437



55.1068, 0.3066, 0.5274



55.1068, 0.2008, 0.1758

# Square

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



55.1068, 0.3066, 0.5274



55.1068, 0.1376, 0.2241



55.1068, 0.2864, 0.1975



55.1068, 0.5244, 0.3768



# Rectangle

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



55.1068, 0.3066, 0.5274



55.1068, 0.1716, 0.3540



55.1068, 0.2864, 0.1975



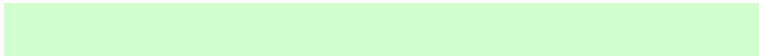
55.1068, 0.4681, 0.2843

# Sweetspot

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



55.1091, 0.3066, 0.5274



89.5561, 0.3118, 0.3811



63.6630, 0.4052, 0.4650



18.8827, 0.3116, 0.3900



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.



55.1091, 0.3066, 0.5274



73.3179, 0.3043, 0.5655



56.1405, 0.2756, 0.4446



15.3699, 0.3123, 0.3532



31.0881, 0.3011, 0.5991



2.1666, 0.3045, 0.5965



# Inverse Universe

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



26.0805, 0.3121, 0.1833



30.3413, 0.3110, 0.1636



24.4952, 0.3935, 0.2419



13.8987, 0.3130, 0.3059



11.3599, 0.3084, 0.1473

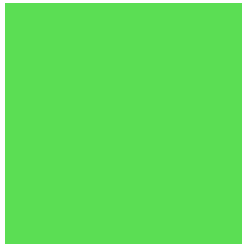


0.7983, 0.3105, 0.1484



# Previews

## White Background



This preview shows how the Yxy color 55.1068, 0.3066, 0.5274 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 55.1068, 0.3066, 0.5274 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 55.1068, 0.3066, 0.5274**

## **Background**



This preview shows how black text looks on a background with the Yxy color 55.1068, 0.3066, 0.5274.



This preview shows how white text looks on a background with the Yxy color 55.1068, 0.3066, 0.5274.

# 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

55.1068, 0.3066, 0.5274

### Protanopia

54.3037, 0.4173, 0.4584

### Deuteranopia

53.8749, 0.4324, 0.4235



## Tritanopia

54.7589, 0.2482, 0.3067

# Trichromacy



## Original Color

55.1068, 0.3066, 0.5274



## Protanomaly

52.8851, 0.3693, 0.4878



## Deuteranomaly

51.4578, 0.3786, 0.4629



## Tritanomaly

54.0240, 0.2704, 0.3846

# Monochromacy



## Original Color

55.1068, 0.3066, 0.5274



## Achromatopsia

38.6429, 0.3127, 0.3290



## Achromatomaly

42.8358, 0.3108, 0.4042

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 55.1068, 0.3066, 0.5274 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(91, 222, 84)` looks like.

```
.text, #text, p{  
    color:rgb(91, 222, 84)  
}
```

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(91, 222, 84) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(91, 222, 84) }
```

## Border

The CSS property to change the border of an element to Yxy 55.1068, 0.3066, 0.5274 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(91, 222, 84) }
```

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

```
.border{ border-color:rgb(91, 222, 84) }
```

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

Here you see how a box with a 4 pixel rgb(91, 222, 84) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(91, 222, 84); -webkit-box-  
shadow:4px 4px 4px 4px rgb(91, 222, 84);  
box-shadow:4px 4px 4px 4px rgb(91, 222,  
84) }
```



# Background

The CSS property to change the background color of an element to Yxy 55.1068, 0.3066, 0.5274 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(91, 222, 84) }
```

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

```
.background{ background-color: rgb(91, 222,  
84) }
```

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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