

# Converting Colors

$Y_{xy}(28.1233, 0.2965, 0.5224)$

Have a look what the booklet for  
Yxy(28.1233, 0.2965, 0.5224)  
contains.

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# Color

**Yxy(28.0879, 0.2967, 0.5223)**

# Conversions

## Conversions Part 1

Format	Color
Hex	36A542
RGB	54, 165, 66
RGB Percent	21%, 65%, 26%
CMY	0.7886, 0.3529, 0.7412
CMYK	0.67, 0.00, 0.60, 0.35
HSL	127°, 51%, 43%
HSV	127°, 67%, 65%
XYZ	15.9557, 28.0879, 9.7337
YIQ	120.5250, -34.3770, -54.3210

# Conversions

## Conversions Part 2

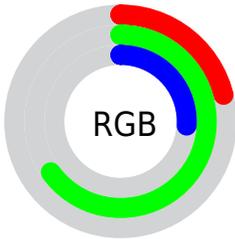
<b>Format</b>	<b>Color</b>
<b>RYB</b>	54, 154, 165
Decimal	3581250
CIELab	59.97, -51.63, 41.55
CIElCh	60, 66.271, 141.171
Yxy	28.0879, 0.2967, 0.5223
Android (android.graphics.Color)	4281771330 (0xFF36A542)
YUV	120.5250, -26.8808, -58.3424
Hunter-Lab	52.9980, -39.0068, 26.2093

# Details

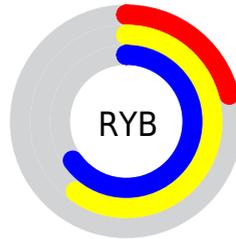
The Yxy color **28.0879, 0.2967, 0.5223** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **12.9269, 0.3374, 0.1932**, and the grayscale version is **19.0477, 0.3127, 0.3290**.

A 20% lighter version of the original color is **56.6421, 0.3046, 0.4774**, and **11.6149, 0.2966, 0.5879** is the 20% darker color. If you saturate the color by 10%, you get **27.5566, 0.2962, 0.5501**, and if you desaturate by 10%, it is **28.8209, 0.2980, 0.4912**.

# Distribution



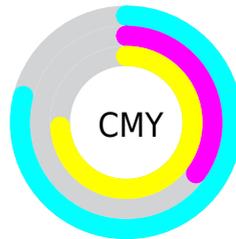
- Red (21%)
- Green (65%)
- Blue (26%)



- Red (21%)
- Yellow (60%)
- Blue (65%)



- Cyan (67%)
- Magenta (0%)
- Yellow (60%)
- Black (35%)



- Cyan (79%)
- Magenta (35%)
- Yellow (74%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 28.0879, 0.2967, 0.5223 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 28.0879, 0.2967, 0.5223 by changing the saturation by 10% instead.

 28.0879, 0.2967,  
0.5223

 28.0879, 0.2967,  
0.5223

292.8867, 0.3112,  
0.4100

 18.3919, 0.2896,  
0.5557

 56.6247, 0.3042,  
0.4775

 11.2317, 0.2776,  
0.6015

 76.2344, 0.3063,  
0.4618

 6.2229, 0.2565,  
0.6676

 99.9174, 0.3078,  
0.4491

 2.9811, 0.2200,  
0.7800

 128.0582, 0.3089,  
0.4386

 1.1219, 0.0000,  
1.0000

 161.0411, 0.3097,  
0.4297

 0.0000, 0.0000,  
0.0000

199.2506, 0.3104,

0.4221

243.0710, 0.3108,  
0.4156

■ 28.0879, 0.2967,  
0.5223

■ 28.0879, 0.2967,  
0.5223

■ 27.5566, 0.2962,  
0.5501

■ 28.8209, 0.2980,  
0.4912

■ 27.2035, 0.2965,  
0.5725

■ 29.7695, 0.3000,  
0.4589

■ 27.0001, 0.2975,  
0.5882

■ 30.9500, 0.3024,  
0.4271

■ 26.9578, 0.2976,  
0.5914

■ 32.3766, 0.3051,  
0.3971

■ 34.0620, 0.3079,  
0.3697

■ 36.0182, 0.3107,  
0.3451

■ 38.2566, 0.3134,  
0.3235

■ 40.7876, 0.3160,  
0.3047

■ 43.6213, 0.3183,  
0.2883

# Harmonies

## Analogous

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



28.0879, 0.3948, 0.5216



28.0879, 0.2967, 0.5223



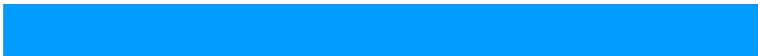
28.0879, 0.2079, 0.4272

# Triad

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



28.0879, 0.2967, 0.5223



28.0879, 0.1561, 0.1805



28.0879, 0.5003, 0.3134

# Complementary

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



28.0879, 0.2967, 0.5223



12.9269, 0.3374, 0.1932

# 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.



28.0879, 0.4101, 0.2497



28.0879, 0.2967, 0.5223



28.0879, 0.2080, 0.1771

# Square

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



28.0879, 0.2967, 0.5223



28.0879, 0.1380, 0.2182



28.0879, 0.2971, 0.2015



28.0879, 0.5227, 0.3843

# Rectangle

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



28.0879, 0.2967, 0.5223



28.0879, 0.1670, 0.3412



28.0879, 0.2971, 0.2015



28.0879, 0.4763, 0.2911

# Sweetspot

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



28.0891, 0.2967, 0.5223



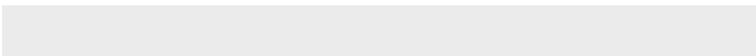
60.0283, 0.3071, 0.3777



34.0398, 0.3914, 0.4858



12.9463, 0.3063, 0.3849



82.7571, 0.3127, 0.3290



14.7319, 0.3127, 0.3290



# Same Dimension

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



28.0891, 0.2967, 0.5223



48.9815, 0.2963, 0.5624



29.0657, 0.2626, 0.4149



7.9070, 0.3102, 0.3496



20.3948, 0.2973, 0.5904



0.4320, 0.2864, 0.5511



# Inverse Universe

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



12.9269, 0.3374, 0.1932



19.8457, 0.3436, 0.1773



11.5181, 0.4387, 0.2652



7.1888, 0.3153, 0.3092



7.6507, 0.3498, 0.1701

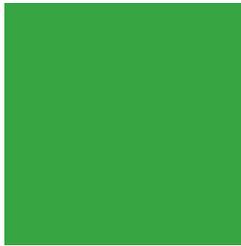


0.1643, 0.3381, 0.1636



# Previews

## White Background



This preview shows how the Yxy color 28.0879, 0.2967, 0.5223 looks on a white background.

## Color Contrast Check

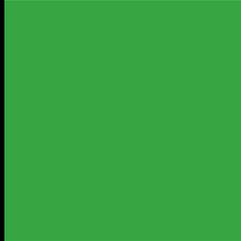
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.0879, 0.2967, 0.5223 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 × Fail

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

**Yxy 28.0879, 0.2967, 0.5223**

## Background



This preview shows how black text looks on a background with the Yxy color 28.0879, 0.2967, 0.5223.



This preview shows how white text looks on a background with the Yxy color 28.0879, 0.2967, 0.5223.

# 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

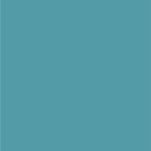
28.0879, 0.2967, 0.5223

### Protanopia

27.7463, 0.4123, 0.4524

### Deuteranopia

27.6158, 0.4254, 0.4182



## Tritanopia

28.0265, 0.2437, 0.3080

# Trichromacy



## Original Color

28.0879, 0.2967, 0.5223



## Protanomaly

26.8692, 0.3598, 0.4838



## Deuteranomaly

26.2279, 0.3685, 0.4583



## Tritanomaly

27.7857, 0.2640, 0.3840

# Monochromacy



## Original Color

28.0879, 0.2967, 0.5223



## Achromatopsia

19.1202, 0.3127, 0.3290



## Achromatomaly

21.3723, 0.3051, 0.4019

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 28.0879, 0.2967, 0.5223 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(54, 165, 66)` looks like.

```
.text, #text, p{  
    color:rgb(54, 165, 66)  
}
```

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(54, 165, 66) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(54, 165, 66) }
```

## Border

The CSS property to change the border of an element to Yxy 28.0879, 0.2967, 0.5223 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(54, 165, 66) }
```

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

```
.border{ border-color:rgb(54, 165, 66) }
```

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

Here you see how a box with a 4 pixel rgb(54, 165, 66) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(54, 165, 66); -webkit-box-  
shadow:4px 4px 4px 4px rgb(54, 165, 66);  
box-shadow:4px 4px 4px 4px rgb(54, 165,  
66) }
```

# Background

The CSS property to change the background color of an element to Yxy 28.0879, 0.2967, 0.5223 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(54, 165, 66) }
```

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

```
.background{ background-color: rgb(54, 165,  
66) }
```

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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