

# Converting Colors

$Y_{xy}(21.9479, 0.2956, 0.5303)$

Have a look what the booklet for  
Yxy(21.9479, 0.2956, 0.5303)  
contains.

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**Color**

**Yxy(21.9479, 0.2956, 0.5303)**

# Conversions

## Conversions Part 1

Format	Color
Hex	2A9437
RGB	42, 148, 55
RGB Percent	16%, 58%, 22%
CMY	0.8353, 0.4196, 0.7843
CMYK	0.72, 0.00, 0.63, 0.42
HSL	127°, 56%, 37%
HSV	127°, 72%, 58%
XYZ	12.2342, 21.9479, 7.2056
YIQ	105.7040, -33.3230, -51.3950

# Conversions

## Conversions Part 2

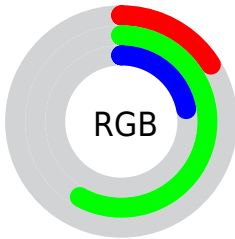
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	42, 136, 148
Decimal	2790455
CIE <sub>Lab</sub>	53.97, -49.15, 39.74
CIE <sub>LCh</sub>	54, 63.207, 141.039
Yxy	21.9479, 0.2956, 0.5303
Android (android.graphics.Color)	4280980535 (0xFF2A9437)
YUV	105.7040, -24.9971, -55.8684
Hunter-Lab	46.8486, -35.3709, 23.6748

# Details

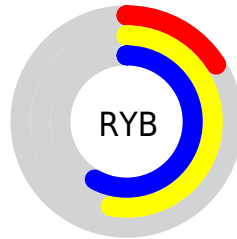
The Yxy color **21.9479, 0.2956, 0.5303** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **9.7013, 0.3415, 0.1902**, and the grayscale version is **14.4045, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.6154, 0.3044, 0.4810**, and **8.3657, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **21.5838, 0.2955, 0.5562**, and if you desaturate by 10%, it is **22.4619, 0.2966, 0.5006**.

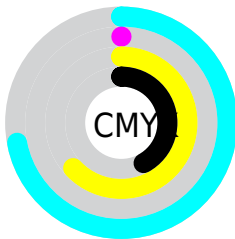
# Distribution



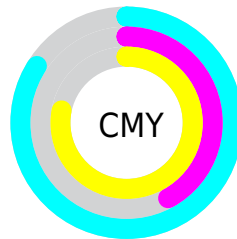
- Red (16%)
- Green (58%)
- Blue (22%)



- Red (16%)
- Yellow (53%)
- Blue (58%)



- Cyan (72%)
- Magenta (0%)
- Yellow (63%)
- Black (42%)




- Cyan (84%)
- Magenta (42%)
- Yellow (78%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 21.9479, 0.2956, 0.5303 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 21.9479, 0.2956, 0.5303 by changing the saturation by 10% instead.





 21.9479, 0.2956,  
0.5303


 21.9479, 0.2956,  
0.5303


262.2741, 0.3115,  
0.4092


 13.8186, 0.2870,  
0.5685


 46.6599, 0.3042,  
0.4805

 7.9946, 0.2719,  
0.6222


 64.0114, 0.3064,  
0.4636


 4.0915, 0.2525,  
0.7277

 85.2057, 0.3080,  
0.4500

 1.7249, 0.1355,  
0.8645

 110.6273, 0.3092,  
0.4389

 0.4397, 0.0000,  
1.0000

 140.6605, 0.3100,  
0.4296

 0.0000, 0.0000,  
0.0000

 175.6898, 0.3106,

0.4217

216.0995, 0.3111,  
0.4150

■ 21.9479, 0.2956,  
0.5303

■ 21.9479, 0.2956,  
0.5303

■ 21.5838, 0.2955,  
0.5562

■ 22.4619, 0.2966,  
0.5006

■ 21.3507, 0.2963,  
0.5766

■ 23.1367, 0.2984,  
0.4691

■ 21.2250, 0.2969,  
0.5890

■ 23.9855, 0.3007,  
0.4376

■ 25.0193, 0.3035,  
0.4075

■ 26.2480, 0.3064,  
0.3797

■ 27.6811, 0.3094,  
0.3546

■ 29.3272, 0.3123,  
0.3324

■ 31.1947, 0.3150,  
0.3128

■ 33.2914, 0.3176,  
0.2958

# Harmonies

## Analogous

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



21.9479, 0.3963, 0.5272



21.9479, 0.2956, 0.5303



21.9479, 0.2045, 0.4315

# Triad

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



21.9479, 0.2956, 0.5303



21.9479, 0.1519, 0.1765



21.9479, 0.5065, 0.3118

# Complementary

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



21.9479, 0.2956, 0.5303



9.7013, 0.3415, 0.1902

# 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.



21.9479, 0.4128, 0.2470



21.9479, 0.2956, 0.5303



21.9479, 0.2046, 0.1731

# Square

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



21.9479, 0.2956, 0.5303



21.9479, 0.1336, 0.2147



21.9479, 0.2958, 0.1979



21.9479, 0.5290, 0.3839



# Rectangle

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



21.9479, 0.2956, 0.5303



21.9479, 0.1627, 0.3417



21.9479, 0.2958, 0.1979



21.9479, 0.4816, 0.2891

# Sweetspot

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



21.9488, 0.2956, 0.5303



46.3592, 0.3065, 0.3792



26.5517, 0.3918, 0.4930



10.4516, 0.3057, 0.3859



74.8414, 0.3127, 0.3290



11.9280, 0.3127, 0.3290



# Same Dimension

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



21.9488, 0.2956, 0.5303



37.8055, 0.2959, 0.5694



22.7423, 0.2604, 0.4164



6.4793, 0.3101, 0.3490



18.1311, 0.2967, 0.5883



0.2242, 0.2835, 0.5405



# Inverse Universe

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



9.7013, 0.3415, 0.1902



14.8256, 0.3487, 0.1765



8.5709, 0.4537, 0.2666



5.8971, 0.3155, 0.3098



6.7536, 0.3536, 0.1722



0.0854, 0.3358, 0.1623



# Previews

## White Background



This preview shows how the Yxy color 21.9479, 0.2956, 0.5303 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 21.9479, 0.2956, 0.5303 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 21.9479, 0.2956, 0.5303**

## Background



This preview shows how black text looks on a background with the Yxy color 21.9479, 0.2956, 0.5303.



This preview shows how white text looks on a background with the Yxy color 21.9479, 0.2956, 0.5303.

# 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

21.9479, 0.2956, 0.5303

### Protanopia

21.4997, 0.4160, 0.4562

### Deuteranopia

21.5470, 0.4288, 0.4208



## Tritanopia

22.0068, 0.2424, 0.3077

# Trichromacy



## Original Color

21.9479, 0.2956, 0.5303



## Protanomaly

20.6311, 0.3608, 0.4895



## Deuteranomaly

20.2718, 0.3688, 0.4634



## Tritanomaly

21.5445, 0.2623, 0.3862

# Monochromacy



## Original Color

21.9479, 0.2956, 0.5303



## Achromatopsia

14.4128, 0.3127, 0.3290



## Achromatomaly

16.2019, 0.3044, 0.4068

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 21.9479, 0.2956, 0.5303 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(42, 148, 55)` looks like.

```
.text, #text, p{  
    color:rgb(42, 148, 55)  
}
```

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(42, 148, 55) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(42, 148, 55) }
```

## Border

The CSS property to change the border of an element to Yxy 21.9479, 0.2956, 0.5303 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(42, 148, 55) }
```

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

```
.border{ border-color:rgb(42, 148, 55) }
```

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

Here you see how a box with a 4 pixel `rgb(42, 148, 55)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(42, 148, 55); -webkit-box-  
shadow:4px 4px 4px 4px rgb(42, 148, 55);  
box-shadow:4px 4px 4px 4px rgb(42, 148,  
55) }
```



# Background

The CSS property to change the background color of an element to Yxy 21.9479, 0.2956, 0.5303 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(42, 148, 55) }
```

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

```
.background{ background-color: rgb(42, 148,  
55) }
```

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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