

# Converting Colors

$Yxy(23.6086, 0.2142, 0.6346)$

Have a look what the booklet for  
Yxy(23.6086, 0.2142, 0.6346)  
contains.

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**Color**

**Yxy(26.3099, 0.2937, 0.5772)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	00A322
RGB	0, 163, 34
RGB Percent	0%, 64%, 13%
CMY	0.9993, 0.3608, 0.8667
CMYK	1.00, 0.00, 0.79, 0.36
HSL	132°, 100%, 32%
HSV	132°, 100%, 64%
XYZ	13.3874, 26.3099, 5.8846
YIQ	99.5570, -55.7390, -74.6750

# Conversions

## Conversions Part 2

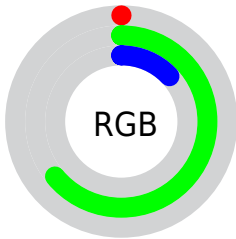
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 135, 163
Decimal	41762
CIELab	58.33, -60.24, 52.54
CIELCh	58, 79.931, 138.906
Yxy	26.3099, 0.2937, 0.5772
Android (android.graphics.Color)	4278231842 (0xFF00A322)
YUV	99.5570, -32.3196, -87.3115
Hunter-Lab	51.2932, -43.1749, 29.1032

# Details

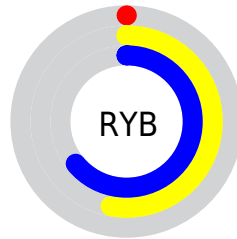
The Yxy color **26.3099, 0.2937, 0.5772** is a dark color, and the websafe version is hex **009900**. A complement of this color would be **9.3808, 0.3808, 0.1872**, and the grayscale version is **12.7341, 0.3127, 0.3290**.

A 20% lighter version of the original color is **53.6596, 0.3052, 0.5192**, and **10.9373, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **26.3090, 0.2937, 0.5774**, and if you desaturate by 10%, it is **26.5133, 0.2917, 0.5592**.

# Distribution



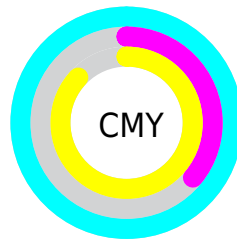
- Red (0%)
- Green (64%)
- Blue (13%)



- Red (0%)
- Yellow (53%)
- Blue (64%)



- Cyan (100%)
- Magenta (0%)
- Yellow (79%)
- Black (36%)




- Cyan (100%)
- Magenta (36%)
- Yellow (87%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 26.3099, 0.2937, 0.5772 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 26.3099, 0.2937, 0.5772 by changing the saturation by 10% instead.




 26.3099, 0.2937,  
0.5772

 26.3099, 0.2937,  
0.5772


284.3001, 0.3143,  
0.4317


 17.0556, 0.2823,  
0.6194


 53.7745, 0.3052,  
0.5194


 10.2742, 0.2629,  
0.6749


 72.7536, 0.3081,  
0.4991

 5.5811, 0.2338,  
0.7662

 95.7430, 0.3102,  
0.4825

 2.5921, 0.1502,  
0.8498

 123.1273, 0.3116,  
0.4688

 0.9227, 0.0000,  
1.0000

 155.2907, 0.3126,  
0.4573

 0.0000, 0.0000,  
0.0000

 192.6177, 0.3133,

0.4475

235.4927, 0.3139,  
0.4390

■ 26.3099, 0.2937,  
0.5772

■ 26.3099, 0.2937,  
0.5772

■ 26.3090, 0.2937,  
0.5774

■ 26.5133, 0.2917,  
0.5592

■ 26.8385, 0.2904,  
0.5364

■ 27.3270, 0.2903,  
0.5098

■ 27.9976, 0.2915,  
0.4810

■ 28.8667, 0.2938,  
0.4516

■ 29.9486, 0.2969,  
0.4228

■ 31.2563, 0.3006,  
0.3958

■ 32.8018, 0.3045,  
0.3709

■ 34.5962, 0.3087,  
0.3486

# Harmonies

## Analogous

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



26.3099, 0.4071, 0.5515



26.3099, 0.2937, 0.5772



26.3099, 0.1903, 0.4648

# Triad

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



26.3099, 0.2937, 0.5772



26.3099, 0.1285, 0.1567



26.3099, 0.5361, 0.2987

# Complementary

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



26.3099, 0.2937, 0.5772



9.3808, 0.3808, 0.1872

# 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.



26.3099, 0.4202, 0.2292



26.3099, 0.2937, 0.5772



26.3099, 0.1825, 0.1520

# Square

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



26.3099, 0.2937, 0.5772



26.3099, 0.1108, 0.1994



26.3099, 0.2823, 0.1771



26.3099, 0.5633, 0.3758



# Rectangle

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



26.3099, 0.2937, 0.5772



26.3099, 0.1431, 0.3518



26.3099, 0.2823, 0.1771



26.3099, 0.5052, 0.2745

# Sweetspot

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



26.3110, 0.2937, 0.5772



55.8076, 0.3003, 0.3975



30.9752, 0.3847, 0.5327



12.3143, 0.2988, 0.4082



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.



26.3110, 0.2937, 0.5772



47.0936, 0.2944, 0.5799



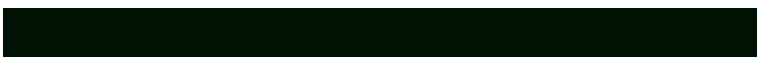
27.4140, 0.2524, 0.4286



7.9180, 0.3089, 0.3473



20.4526, 0.2933, 0.5760



0.4359, 0.2761, 0.5138



# Inverse Universe

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



9.3808, 0.3808, 0.1872



16.7615, 0.3822, 0.1879



8.0125, 0.5736, 0.2935



7.1769, 0.3168, 0.3114



7.2934, 0.3803, 0.1868

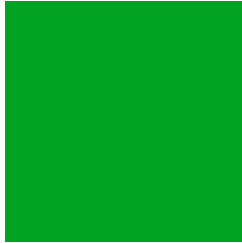


0.1593, 0.3552, 0.1731



# Previews

## White Background



This preview shows how the Yxy color 26.3099, 0.2937, 0.5772 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 26.3099, 0.2937, 0.5772 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 26.3099, 0.2937, 0.5772**

## **Background**



This preview shows how black text looks on a background with the Yxy color 26.3099, 0.2937, 0.5772.



This preview shows how white text looks on a background with the Yxy color 26.3099, 0.2937, 0.5772.

# 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

26.3099, 0.2937, 0.5772

### Protanopia

26.0081, 0.4320, 0.4783

### Deuteranopia

25.7146, 0.4498, 0.4408



## Tritanopia

26.3658, 0.2367, 0.3072

# Trichromacy



## Original Color

26.3099, 0.2937, 0.5772



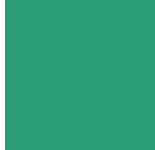
## Protanomaly

23.9829, 0.3568, 0.5321



## Deuteranomaly

23.1988, 0.3664, 0.5055



## Tritanomaly

25.5749, 0.2572, 0.4086

# Monochromacy



## Original Color

26.3099, 0.2937, 0.5772



## Achromatopsia

12.7438, 0.3127, 0.3290



## Achromatomaly

15.7777, 0.2949, 0.4431

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 26.3099, 0.2937, 0.5772 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(0, 163, 34)` looks like.

```
.text, #text, p{  
    color:rgb(0, 163, 34)  
}
```

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(0, 163, 34) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 163, 34) }
```

## Border

The CSS property to change the border of an element to Yxy 26.3099, 0.2937, 0.5772 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(0, 163, 34) }
```

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

```
.border{ border-color:rgb(0, 163, 34) }
```

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

Here you see how a box with a 4 pixel rgb(0, 163, 34) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 163, 34); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 163, 34);  
box-shadow:4px 4px 4px 4px rgb(0, 163, 34)  
}
```



# Background

The CSS property to change the background color of an element to Yxy 26.3099, 0.2937, 0.5772 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 163, 34) }
```

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

```
.background{ background-color: rgb(0, 163,  
34) }
```

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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