

# Converting Colors

$Y_{xy}(25.9610, 0.3330, 0.6126)$

Have a look what the booklet for  
Yxy(25.9610, 0.3330, 0.6126)  
contains.

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**Color**

**Yxy(26.1337, 0.3228, 0.5819)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	3DA000
RGB	61, 160, 0
RGB Percent	24%, 63%, 0%
CMY	0.7606, 0.3726, 1.0000
CMYK	0.62, 0.00, 1.00, 0.37
HSL	97°, 100%, 31%
HSV	97°, 100%, 63%
XYZ	14.4973, 26.1337, 4.2800
YIQ	112.1590, -7.6440, -70.7480

# Conversions

## Conversions Part 2

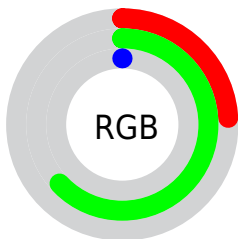
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 160, 99
Decimal	4038656
CIELab	58.16, -52.52, 59.87
CIELCh	58, 79.640, 131.262
Yxy	26.1337, 0.3228, 0.5819
Android (android.graphics.Color)	4282228736 (0xFF3DA000)
YUV	112.1590, -55.2944, -44.8664
Hunter-Lab	51.1211, -38.8418, 30.8209

# Details

The Yxy color **26.1337, 0.3228, 0.5819** is a dark color, and the websafe version is hex **339900**. A complement of this color would be **5.1887, 0.2282, 0.1031**, and the grayscale version is **16.4239, 0.3127, 0.3290**.

A 20% lighter version of the original color is **53.6446, 0.3296, 0.5261**, and **10.5154, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **26.1347, 0.3228, 0.5819**, and if you desaturate by 10%, it is **26.5160, 0.3276, 0.5693**.

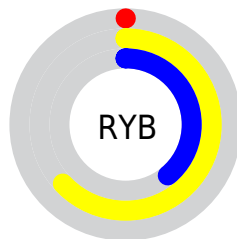
# Distribution



Red (24%)

Green (63%)

Blue (0%)



Red (0%)

Yellow (63%)

Blue (39%)

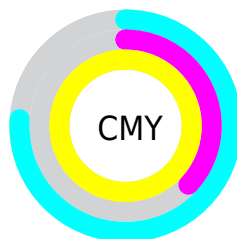


Cyan (62%)

Magenta (0%)

Yellow (100%)

Black (37%)



Cyan (76%)

Magenta (37%)


Yellow (100%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 26.1337, 0.3228, 0.5819 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 26.1337, 0.3228, 0.5819 by changing the saturation by 10% instead.





 26.1337, 0.3228,  
0.5819


 26.1337, 0.3228,  
0.5819


283.4378, 0.3296,  
0.4371

 16.9237, 0.3138,  
0.6209


 53.4906, 0.3299,  
0.5260

 10.1801, 0.2983,  
0.6742


 72.4062, 0.3310,  
0.5058


 5.5185, 0.2652,  
0.7348

 95.3258, 0.3314,  
0.4892

 2.5546, 0.1976,  
0.8024

 122.6339, 0.3313,  
0.4752


 0.9039, 0.0000,  
1.0000


 154.7147, 0.3311,  
0.4635


 0.0000, 0.0000,  
0.0000


 191.9527, 0.3306,


0.4534

 234.7322, 0.3301,  
0.4447


 26.1337, 0.3228,  
0.5819

 26.1337, 0.3228,  
0.5819


 26.1347, 0.3228,  
0.5819

 26.5160, 0.3276,  
0.5693

 26.9877, 0.3314,  
0.5517

 27.5653, 0.3335,  
0.5285

 28.2568, 0.3338,  
0.5011

 29.0693, 0.3325,  
0.4711

■ 30.0091, 0.3299,  
0.4402

■ 31.0821, 0.3263,  
0.4097

■ 32.2938, 0.3220,  
0.3807

■ 33.6493, 0.3174,  
0.3537

# Harmonies

## Analogous

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



26.1337, 0.4347, 0.5312



26.1337, 0.3228, 0.5819



26.1337, 0.2140, 0.5047

# Triad

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



26.1337, 0.3228, 0.5819



26.1337, 0.1210, 0.1635



26.1337, 0.5131, 0.2802

# Complementary

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



26.1337, 0.3228, 0.5819



5.1887, 0.2282, 0.1031

# 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.



26.1337, 0.3837, 0.2138



26.1337, 0.3228, 0.5819



26.1337, 0.1649, 0.1504

# Square

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



26.1337, 0.3228, 0.5819



26.1337, 0.1117, 0.2189



26.1337, 0.2523, 0.1682



26.1337, 0.5654, 0.3554



# Rectangle

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



26.1337, 0.3228, 0.5819



26.1337, 0.1587, 0.3942



26.1337, 0.2523, 0.1682



26.1337, 0.4753, 0.2566

# Sweetspot

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



26.1348, 0.3228, 0.5819



56.3166, 0.3265, 0.4115



16.3345, 0.5058, 0.4365



12.1772, 0.3280, 0.4234



80.7346, 0.3127, 0.3290



13.9985, 0.3127, 0.3290



# Same Dimension

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



26.1348, 0.3228, 0.5819



47.3456, 0.3215, 0.5829



25.1872, 0.2973, 0.5903



7.5182, 0.3171, 0.3517



20.3825, 0.3234, 0.5814



0.3879, 0.3556, 0.5558



# Inverse Universe

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



5.1887, 0.2282, 0.1031



9.3012, 0.2266, 0.1022



9.4067, 0.3523, 0.1715



6.6281, 0.3080, 0.3065



4.0675, 0.2290, 0.1035



0.0964, 0.2672, 0.1245



# Previews

## White Background



This preview shows how the Yxy color 26.1337, 0.3228, 0.5819 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 26.1337, 0.3228, 0.5819 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 26.1337, 0.3228, 0.5819**

## **Background**



This preview shows how black text looks on a background with the Yxy color 26.1337, 0.3228, 0.5819.



This preview shows how white text looks on a background with the Yxy color 26.1337, 0.3228, 0.5819.

# 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

26.1337, 0.3228, 0.5819

### Protanopia

25.6333, 0.4407, 0.4883

### Deuteranopia

25.7320, 0.4596, 0.4510



## Tritanopia

26.1428, 0.2495, 0.3076

# Trichromacy



## Original Color

26.1337, 0.3228, 0.5819

## Protanomaly

25.0050, 0.3901, 0.5284

## Deuteranomaly

24.4723, 0.4046, 0.5039

## Tritanomaly

25.3615, 0.2876, 0.4308

# Monochromacy



## Original Color

26.1337, 0.3228, 0.5819

## Achromatopsia

16.2029, 0.3127, 0.3290

## Achromatomaly

18.4826, 0.3309, 0.4530

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 26.1337, 0.3228, 0.5819 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(61, 160, 0)` looks like.

```
.text, #text, p{  
    color:rgb(61, 160, 0)  
}
```

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(61, 160, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(61, 160, 0) }
```

## Border

The CSS property to change the border of an element to Yxy 26.1337, 0.3228, 0.5819 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(61, 160, 0) }
```

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

```
.border{ border-color:rgb(61, 160, 0) }
```

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

Here you see how a box with a 4 pixel rgb(61, 160, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(61, 160, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(61, 160, 0);  
box-shadow:4px 4px 4px 4px rgb(61, 160, 0)  
}
```



# Background

The CSS property to change the background color of an element to Yxy 26.1337, 0.3228, 0.5819 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(61, 160, 0) }
```

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

```
.background{ background-color: rgb(61, 160,  
0) }
```

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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