

# Converting Colors

$Y_{xy}(26.5832, 0.3007, 0.5994)$

Have a look what the booklet for  
Yxy(26.5832, 0.3007, 0.5994)  
contains.

<b>Yxy(26.5832, 0.3007, 0.5994)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

**Color**

**Yxy(26.5832, 0.3007, 0.5994)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	05A400
RGB	5, 164, 0
RGB Percent	2%, 64%, 0%
CMY	0.9814, 0.3568, 0.9996
CMYK	0.97, 0.00, 1.00, 0.36
HSL	118°, 100%, 32%
HSV	118°, 100%, 64%
XYZ	13.3359, 26.5832, 4.4305
YIQ	97.7630, -42.1200, -84.7120

# Conversions

## Conversions Part 2

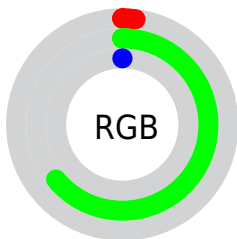
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 164, 159
Decimal	369664
CIELab	58.59, -61.68, 59.81
CIELCh	59, 85.913, 135.882
Yxy	26.5832, 0.3007, 0.5994
Android (android.graphics.Color)	4278559744 (0xFF05A400)
YUV	97.7630, -48.1972, -81.3532
Hunter-Lab	51.5589, -44.0582, 30.9964

# Details

The Yxy color **26.5832, 0.3007, 0.5994** is a dark color, and the websafe version is hex **009900**. A complement of this color would be **10.0913, 0.3139, 0.1503**, and the grayscale version is **12.2651, 0.3127, 0.3290**.

A 20% lighter version of the original color is **54.0340, 0.3128, 0.5386**, and **11.1519, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **26.5835, 0.3007, 0.5994**, and if you desaturate by 10%, it is **26.7483, 0.3014, 0.5895**.

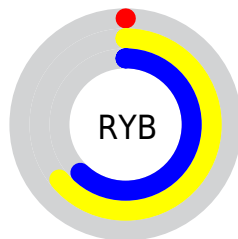
# Distribution



Red (2%)

Green (64%)

Blue (0%)



Red (0%)

Yellow (64%)

Blue (62%)

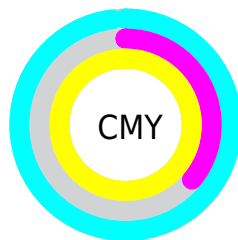


Cyan (97%)

Magenta (0%)

Yellow (100%)

Black (36%)



Cyan (98%)

Magenta (36%)


Yellow (100%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 26.5832, 0.3007, 0.5994 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 26.5832, 0.3007, 0.5994 by changing the saturation by 10% instead.





 26.5832, 0.3007,  
0.5994


 26.5832, 0.3007,  
0.5994


285.6333, 0.3203,  
0.4427

 17.2604, 0.2881,  
0.6425


 54.2143, 0.3128,  
0.5383


 10.4204, 0.2676,  
0.7008


 73.2914, 0.3157,  
0.5164


 5.6785, 0.2294,  
0.7706

 96.3888, 0.3175,  
0.4985

 2.6506, 0.1451,  
0.8549

 123.8909, 0.3187,  
0.4835


 0.9522, 0.0000,  
1.0000


 156.1819, 0.3194,  
0.4709


 0.0000, 0.0000,  
0.0000


 193.6465, 0.3199,


0.4601


 236.6688, 0.3202,  
0.4508


 26.5832, 0.3007,  
0.5994


 26.5832, 0.3007,  
0.5994


 26.5835, 0.3007,  
0.5994

 26.7483, 0.3014,  
0.5895

 27.0489, 0.3026,  
0.5725

 27.5224, 0.3041,  
0.5477

 28.1897, 0.3057,  
0.5170

 29.0684, 0.3072,  
0.4828

■ 30.1744, 0.3087,  
0.4478

■ 31.5220, 0.3100,  
0.4139

■ 33.1243, 0.3111,  
0.3824

■ 34.9935, 0.3120,  
0.3540

# Harmonies

## Analogous

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



26.5832, 0.4189, 0.5535



26.5832, 0.3007, 0.5994



26.5832, 0.1908, 0.4938

# Triad

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



26.5832, 0.3007, 0.5994



26.5832, 0.1168, 0.1504



26.5832, 0.5422, 0.2872

# Complementary

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



26.5832, 0.3007, 0.5994



10.0913, 0.3139, 0.1503

# 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.



26.5832, 0.4116, 0.2169



26.5832, 0.3007, 0.5994



26.5832, 0.1678, 0.1429

# Square

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



26.5832, 0.3007, 0.5994



26.5832, 0.1017, 0.1984



26.5832, 0.2667, 0.1657



26.5832, 0.5789, 0.3651



# Rectangle

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



26.5832, 0.3007, 0.5994



26.5832, 0.1391, 0.3698



26.5832, 0.2667, 0.1657



26.5832, 0.5063, 0.2626

# Sweetspot

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



26.5843, 0.3007, 0.5994



57.0466, 0.3099, 0.4160



32.5331, 0.4252, 0.5006



12.2488, 0.3094, 0.4293



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.



26.5843, 0.3007, 0.5994



48.2336, 0.3005, 0.5996



27.0842, 0.2751, 0.5102



7.9041, 0.3120, 0.3522



20.3845, 0.3008, 0.5994



0.4310, 0.3046, 0.5963



# Inverse Universe

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



10.0913, 0.3139, 0.1503



18.2951, 0.3138, 0.1502



8.5920, 0.4799, 0.2418



7.1919, 0.3133, 0.3068



7.7386, 0.3140, 0.1503

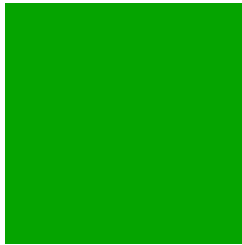


0.1656, 0.3167, 0.1518



# Previews

## White Background



This preview shows how the Yxy color 26.5832, 0.3007, 0.5994 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 26.5832, 0.3007, 0.5994 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 26.5832, 0.3007, 0.5994**

## **Background**



This preview shows how black text looks on a background with the Yxy color 26.5832, 0.3007, 0.5994.



This preview shows how white text looks on a background with the Yxy color 26.5832, 0.3007, 0.5994.

# 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

26.5832, 0.3007, 0.5994

### Protanopia

26.0253, 0.4406, 0.4884

### Deuteranopia

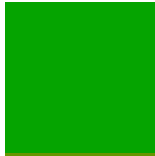
26.1325, 0.4584, 0.4501



## Tritanopia

26.4383, 0.2366, 0.3055

# Trichromacy



## Original Color

26.5832, 0.3007, 0.5994



## Protanomaly

24.3197, 0.3656, 0.5479



## Deuteranomaly

23.5858, 0.3783, 0.5228



## Tritanomaly

25.3777, 0.2666, 0.4347

# Monochromacy



## Original Color

26.5832, 0.3007, 0.5994



## Achromatopsia

12.2139, 0.3127, 0.3290



## Achromatomaly

15.3569, 0.3079, 0.4755

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 26.5832, 0.3007, 0.5994 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(5, 164, 0)` looks like.

```
.text, #text, p{  
    color:rgb(5, 164, 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(5, 164, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(5, 164, 0) }
```

## Border

The CSS property to change the border of an element to Yxy 26.5832, 0.3007, 0.5994 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(5, 164, 0) }
```

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

```
.border{ border-color:rgb(5, 164, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(5, 164, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(5, 164, 0); -webkit-box-shadow:4px  
4px 4px 4px rgb(5, 164, 0); box-shadow:4px  
4px 4px 4px rgb(5, 164, 0) }
```



# Background

The CSS property to change the background color of an element to Yxy 26.5832, 0.3007, 0.5994 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(5, 164, 0) }
```

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

```
.background{ background-color: rgb(5, 164,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor