

# Converting Colors

$Yxy(26.5299, 0.3094, 0.5954)$

Have a look what the booklet for  
Yxy(26.5299, 0.3094, 0.5954)  
contains.

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**Color**

**Yxy(26.5695, 0.3086, 0.5931)**

# Conversions

## Conversions Part 1

Format	Color
Hex	24A300
RGB	36, 163, 0
RGB Percent	14%, 64%, 0%
CMY	0.8589, 0.3608, 0.9994
CMYK	0.78, 0.00, 1.00, 0.36
HSL	107°, 100%, 32%
HSV	107°, 100%, 64%
XYZ	13.8246, 26.5695, 4.4036
YIQ	106.4450, -23.3690, -77.6170

# Conversions

## Conversions Part 2

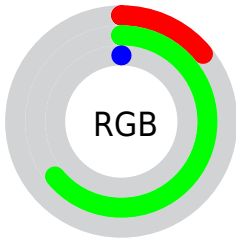
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 163, 127
Decimal	2401024
CIELab	58.57, -58.49, 59.92
CIELCh	59, 83.736, 134.305
Yxy	26.5695, 0.3086, 0.5931
Android (android.graphics.Color)	4280591104 (0xFF24A300)
YUV	106.4450, -52.4774, -61.7803
Hunter-Lab	51.5456, -42.3310, 31.0167

# Details

The Yxy color **26.5695, 0.3086, 0.5931** is a dark color, and the websafe version is hex **009900**. A complement of this color would be **7.1737, 0.2663, 0.1241**, and the grayscale version is **14.6967, 0.3127, 0.3290**.

A 20% lighter version of the original color is **54.1342, 0.3190, 0.5342**, and **11.1519, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **26.5682, 0.3086, 0.5932**, and if you desaturate by 10%, it is **26.8797, 0.3123, 0.5810**.

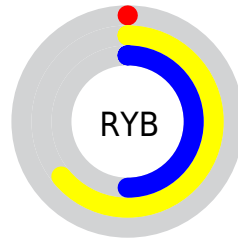
# Distribution



Red (14%)

Green (64%)

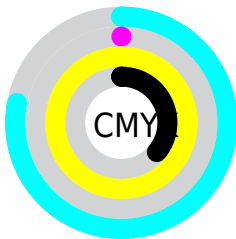
Blue (0%)



Red (0%)

Yellow (64%)

Blue (50%)

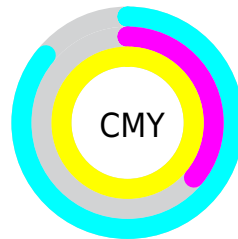


Cyan (78%)

Magenta (0%)

Yellow (100%)

Black (36%)



Cyan (86%)

Magenta (36%)


Yellow (100%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 26.5695, 0.3086, 0.5931 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 26.5695, 0.3086, 0.5931 by changing the saturation by 10% instead.





 26.5695, 0.3086,  
0.5931


 26.5695, 0.3086,  
0.5931


285.5666, 0.3236,  
0.4408


 17.2502, 0.2973,  
0.6347


 54.1923, 0.3189,  
0.5340

 10.4130, 0.2786,  
0.6909


 73.2645, 0.3212,  
0.5127


 5.6737, 0.2424,  
0.7576

 96.3565, 0.3225,  
0.4952

 2.6477, 0.1659,  
0.8341

 123.8526, 0.3232,  
0.4806

 0.9507, 0.0000,  
1.0000


 156.1373, 0.3236,  
0.4683


 0.0000, 0.0000,  
0.0000


 193.5950, 0.3237,

0.4578

 236.6099, 0.3237,  
0.4487


 26.5695, 0.3086,  
0.5931


 26.5695, 0.3086,  
0.5931


 26.5682, 0.3086,  
0.5932

 26.8797, 0.3123,  
0.5810

 27.3090, 0.3158,  
0.5629

 27.8783, 0.3183,  
0.5383

 28.5995, 0.3199,  
0.5089

 29.4830, 0.3203,  
0.4766

■ 30.5384, 0.3198,  
0.4437

■ 31.7744, 0.3187,  
0.4115

■ 33.1991, 0.3170,  
0.3813

■ 34.8201, 0.3149,  
0.3537

# Harmonies

## Analogous

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



26.5695, 0.4247, 0.5455



26.5695, 0.3086, 0.5931



26.5695, 0.1990, 0.4979

# Triad

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



26.5695, 0.3086, 0.5931



26.5695, 0.1183, 0.1550



26.5695, 0.5319, 0.2849

# Complementary

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



26.5695, 0.3086, 0.5931



7.1737, 0.2663, 0.1241

# 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.



26.5695, 0.4016, 0.2159



26.5695, 0.3086, 0.5931



26.5695, 0.1668, 0.1455

# Square

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



26.5695, 0.3086, 0.5931



26.5695, 0.1052, 0.2056



26.5695, 0.2616, 0.1667



26.5695, 0.5743, 0.3618



# Rectangle

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



26.5695, 0.3086, 0.5931



26.5695, 0.1459, 0.3785



26.5695, 0.2616, 0.1667



26.5695, 0.4952, 0.2606

# Sweetspot

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



26.5706, 0.3086, 0.5931



56.7493, 0.3188, 0.4136



22.4555, 0.4670, 0.4673



12.5391, 0.3193, 0.4263



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.



26.5706, 0.3086, 0.5931



47.5060, 0.3077, 0.5939



26.3754, 0.2904, 0.5655



7.9667, 0.3148, 0.3520



20.6645, 0.3091, 0.5928



0.4531, 0.3331, 0.5737



# Inverse Universe

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



7.1737, 0.2663, 0.1241



12.7454, 0.2653, 0.1235



9.1359, 0.4013, 0.1985



7.1232, 0.3104, 0.3066



5.5910, 0.2668, 0.1243

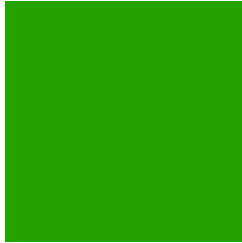


0.1359, 0.2877, 0.1358



# Previews

## White Background



This preview shows how the Yxy color 26.5695, 0.3086, 0.5931 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 26.5695, 0.3086, 0.5931 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 26.5695, 0.3086, 0.5931**

## **Background**



This preview shows how black text looks on a background with the Yxy color 26.5695, 0.3086, 0.5931.



This preview shows how white text looks on a background with the Yxy color 26.5695, 0.3086, 0.5931.

# 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

26.5695, 0.3086, 0.5931

### Protanopia

26.0253, 0.4406, 0.4884

### Deuteranopia

26.1265, 0.4589, 0.4508



## Tritanopia

26.6733, 0.2410, 0.3075

# Trichromacy



## Original Color

26.5695, 0.3086, 0.5931



## Protanomaly

24.7572, 0.3799, 0.5366



## Deuteranomaly

24.3644, 0.3917, 0.5138



## Tritanomaly

25.7685, 0.2751, 0.4346

# Monochromacy



## Original Color

26.5695, 0.3086, 0.5931



## Achromatopsia

14.4128, 0.3127, 0.3290



## Achromatomaly

17.3454, 0.3202, 0.4619

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 26.5695, 0.3086, 0.5931 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(36, 163, 0)` looks like.

```
.text, #text, p{  
    color:rgb(36, 163, 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(36, 163, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(36, 163, 0) }
```

## Border

The CSS property to change the border of an element to Yxy 26.5695, 0.3086, 0.5931 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(36, 163, 0) }
```

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

```
.border{ border-color:rgb(36, 163, 0) }
```

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

Here you see how a box with a 4 pixel rgb(36, 163, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(36, 163, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(36, 163, 0);  
box-shadow:4px 4px 4px 4px rgb(36, 163, 0)  
}
```



# Background

The CSS property to change the background color of an element to Yxy 26.5695, 0.3086, 0.5931 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(36, 163, 0) }
```

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

```
.background{ background-color: rgb(36, 163,  
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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