

# Converting Colors

$Yxy(64.6450, 0.3093, 0.5924)$

Have a look what the booklet for  
Yxy(64.6450, 0.3093, 0.5924)  
contains.

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# Color

**Yxy(64.4986, 0.3093, 0.5924)**

# Conversions

## Conversions Part 1

Format	Color
Hex	3DF201
RGB	61, 242, 1
RGB Percent	24%, 95%, 0%
CMY	0.7613, 0.0509, 0.9960
CMYK	0.75, 0.00, 1.00, 0.05
HSL	105°, 99%, 48%
HSV	105°, 100%, 95%
XYZ	33.6756, 64.4986, 10.7026
YIQ	160.4070, -30.5150, -113.3230

# Conversions

## Conversions Part 2

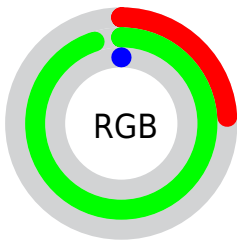
<b>Format</b>	<b>Color</b>
<b>RYB</b>	1, 242, 182
Decimal	4059649
CIELab	84.22, -78.20, 80.50
CIELCh	84, 112.229, 134.169
Yxy	64.4986, 0.3093, 0.5924
Android (android.graphics.Color)	4282249729 (0xFF3DF201)
YUV	160.4070, -78.5877, -87.1799
Hunter-Lab	80.3110, -65.6966, 48.3165

# Details

The Yxy color **64.4986, 0.3093, 0.5924** is a dark color, and the websafe version is hex **33FF33**. The color can be described as dark saturated green. A complement of this color would be **16.3983, 0.2580, 0.1196**, and the grayscale version is **35.7163, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.5766, 0.3246, 0.5255**, and **34.2810, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **64.4752, 0.3091, 0.5927**, and if you desaturate by 10%, it is **65.2470, 0.3137, 0.5821**.

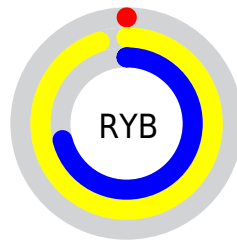
# Distribution



Red (24%)

Green (95%)

Blue (0%)



Red (0%)

Yellow (95%)

Blue (71%)

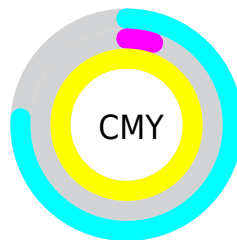


Cyan (75%)

Magenta (0%)

Yellow (100%)

Black (5%)



Cyan (76%)

Magenta (5%)


Yellow (100%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 64.4986, 0.3093, 0.5924 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 64.4986, 0.3093, 0.5924 by changing the saturation by 10% instead.




 64.4986, 0.3093,  
0.5924

 64.4986, 0.3093,  
0.5924


440.9880, 0.3240,  
0.4605

 47.0546, 0.3016,  
0.6223


 111.3287, 0.3178,  
0.5462


 33.0788, 0.2898,  
0.6579


 141.4836, 0.3201,  
0.5282


 22.1869, 0.2714,  
0.6999


 176.6443, 0.3216,  
0.5127

 13.9943, 0.2449,  
0.7551

 217.1951, 0.3226,  
0.4994

 8.1167, 0.1985,  
0.8015

 263.5205, 0.3233,  
0.4878

 4.1697, 0.1331,  
0.8669

 316.0048, 0.3237,

 1.7689, 0.0000,

0.4776

1.0000

375.0325, 0.3239,  
0.4685

■ 0.4677, 0.0000,  
1.0000

■ 0.0000, 0.0000,  
0.0000

■ 64.4986, 0.3093,  
0.5924

■ 64.4986, 0.3093,  
0.5924

■ 64.4752, 0.3091,  
0.5927

■ 65.2470, 0.3137,  
0.5821

■ 66.2914, 0.3176,  
0.5649

■ 67.6749, 0.3205,  
0.5408

■ 69.4273, 0.3221,  
0.5114

■ 71.5746, 0.3224,  
0.4789

■ 74.1403, 0.3217,  
0.4454

■ 77.1461, 0.3201,  
0.4126

■ 80.6119, 0.3179,  
0.3818

■ 84.5566, 0.3153,  
0.3534

# Harmonies

## Analogous

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



64.4986, 0.4251, 0.5447



64.4986, 0.3093, 0.5924



64.4986, 0.1998, 0.4981

# Triad

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



64.4986, 0.3093, 0.5924



64.4986, 0.1185, 0.1554



64.4986, 0.5309, 0.2847

# Complementary

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



64.4986, 0.3093, 0.5924



16.3983, 0.2580, 0.1196

# 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.



64.4986, 0.4007, 0.2159



64.4986, 0.3093, 0.5924



64.4986, 0.1668, 0.1458

# Square

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



64.4986, 0.3093, 0.5924



64.4986, 0.1056, 0.2062



64.4986, 0.2612, 0.1668



64.4986, 0.5738, 0.3616



# Rectangle

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



64.4986, 0.3093, 0.5924



64.4986, 0.1466, 0.3792



64.4986, 0.2612, 0.1668



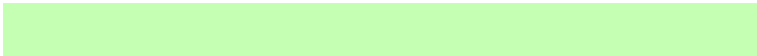
64.4986, 0.4942, 0.2605

# Sweetspot

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



64.5013, 0.3093, 0.5924



86.6921, 0.3202, 0.4142



52.2399, 0.4724, 0.4629



18.2384, 0.3209, 0.4280



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

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



64.5013, 0.3093, 0.5924



72.5875, 0.3090, 0.5929



63.8577, 0.2924, 0.5725



17.8459, 0.3153, 0.3531



34.6865, 0.3101, 0.5920



2.9309, 0.3191, 0.5848



# Inverse Universe

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



16.3983, 0.2580, 0.1196



18.3840, 0.2576, 0.1193



22.2688, 0.3974, 0.1964



15.8223, 0.3098, 0.3054



8.8477, 0.2588, 0.1199

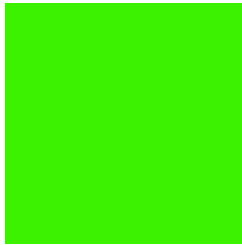


0.7823, 0.2673, 0.1246



# Previews

## White Background



This preview shows how the Yxy color 64.4986, 0.3093, 0.5924 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

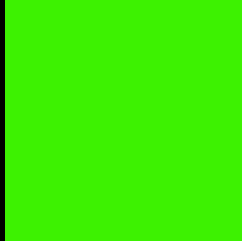
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 64.4986, 0.3093, 0.5924 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 ✓ Pass

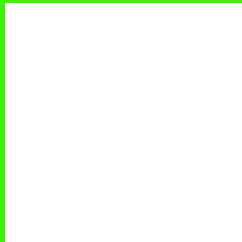
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 64.4986, 0.3093, 0.5924**

## Background



This preview shows how black text looks on a background with the Yxy color 64.4986, 0.3093, 0.5924.



This preview shows how white text looks on a background with the Yxy color 64.4986, 0.3093, 0.5924.

# 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

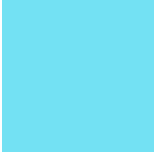
64.4986, 0.3093, 0.5924

### Protanopia

63.2631, 0.4405, 0.4884

### Deuteranopia

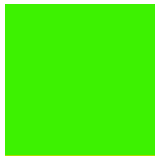
62.9331, 0.4357, 0.4302



## **Tritanopia**

63.9663, 0.2405, 0.3066

# Trichromacy



## Original Color

64.4986, 0.3093, 0.5924



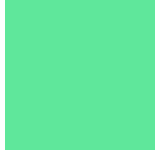
## Protanomaly

60.4836, 0.3802, 0.5364



## Deuteranomaly

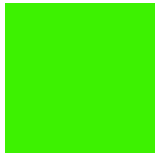
59.1281, 0.3822, 0.5032



## Tritanomaly

61.9513, 0.2760, 0.4361

# Monochromacy



## Original Color

64.4986, 0.3093, 0.5924



## Achromatopsia

35.1533, 0.3127, 0.3290



## Achromatomaly

42.0713, 0.3223, 0.4656

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 64.4986, 0.3093, 0.5924 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, 242, 1)` looks like.

```
.text, #text, p{  
    color:rgb(61, 242, 1)  
}
```

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, 242, 1) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(61, 242, 1) }
```

## Border

The CSS property to change the border of an element to Yxy 64.4986, 0.3093, 0.5924 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, 242, 1) }
```

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

```
.border{ border-color:rgb(61, 242, 1) }
```

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

Here you see how a box with a 4 pixel rgb(61, 242, 1) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(61, 242, 1); -webkit-box-  
shadow:4px 4px 4px 4px rgb(61, 242, 1);  
box-shadow:4px 4px 4px 4px rgb(61, 242, 1)  
}
```



# Background

The CSS property to change the background color of an element to Yxy 64.4986, 0.3093, 0.5924 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(61, 242, 1) }
```

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

```
.background{ background-color: rgb(61, 242,  
1) }
```

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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