

# Converting Colors

Yxy(47.3895, 0.3121, 0.5842)

Have a look what the booklet for  
Yxy(47.3895, 0.3121, 0.5842)  
contains.

<b>Yxy(47.1970, 0.3120, 0.5841)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

**Color**

**Yxy(47.1970, 0.3120, 0.5841)**

# Conversions

## Conversions Part 1

Format	Color
Hex	3FD213
RGB	63, 210, 19
RGB Percent	25%, 82%, 7%
CMY	0.7532, 0.1764, 0.9256
CMYK	0.70, 0.00, 0.91, 0.18
HSL	106°, 83%, 45%
HSV	106°, 91%, 82%
XYZ	25.2105, 47.1970, 8.3954
YIQ	144.2730, -26.3010, -90.5650

# Conversions

## Conversions Part 2

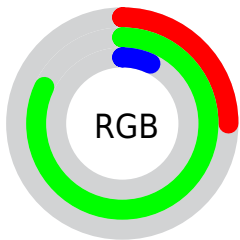
Format	Color
<b>RYB</b>	19, 210, 166
Decimal	4182547
CIELab	74.32, -68.04, 70.59
CIELCh	74, 98.041, 133.944
Yxy	47.1970, 0.3120, 0.5841
Android (android.graphics.Color)	4282372627 (0xFF3FD213)
YUV	144.2730, -61.7596, -71.2764
Hunter-Lab	68.7001, -54.7219, 40.8446

# Details

The Yxy color **47.1970, 0.3120, 0.5841** is a dark color, and the websafe version is hex **33CC00**. The color can be described as dark washed green. A complement of this color would be **13.2311, 0.2682, 0.1286**, and the grayscale version is **28.2601, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.1468, 0.3223, 0.5281**, and **23.1112, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **46.7338, 0.3083, 0.5934**, and if you desaturate by 10%, it is **47.9171, 0.3158, 0.5675**.

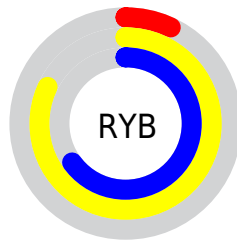
# Distribution



Red (25%)

Green (82%)

Blue (7%)



Red (7%)

Yellow (82%)

Blue (65%)

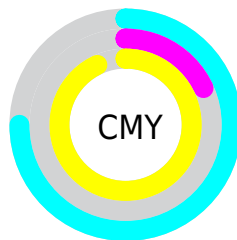


Cyan (70%)

Magenta (0%)

Yellow (91%)

Black (18%)



Cyan (75%)

Magenta (18%)


Yellow (93%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 47.1970, 0.3120, 0.5841 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 47.1970, 0.3120, 0.5841 by changing the saturation by 10% instead.





 47.1970, 0.3120,  
0.5841


 47.1970, 0.3120,  
0.5841

375.6003, 0.3245,  
0.4495


 33.1914, 0.3041,  
0.6168


 86.0076, 0.3200,  
0.5351


 22.2731, 0.2911,  
0.6567


 111.5814, 0.3220,  
0.5165

 14.0577, 0.2710,  
0.7085


 141.7801, 0.3232,  
0.5009

 8.1608, 0.2350,  
0.7650

 176.9880, 0.3239,  
0.4875

 4.1980, 0.1764,  
0.8236

 217.5896, 0.3243,  
0.4760

 1.7849, 0.0000,  
1.0000


 263.9693, 0.3245,


 0.4778, 0.0000,


0.4660


1.0000


316.5114, 0.3246,  
0.4572


 0.0000, 0.0000,  
0.0000


 47.1970, 0.3120,  
0.5841


 47.1970, 0.3120,  
0.5841


 46.7338, 0.3083,  
0.5934

 47.9171, 0.3158,  
0.5675

 48.8815, 0.3187,  
0.5440

 50.1143, 0.3205,  
0.5150

 51.6351, 0.3211,  
0.4828

 53.4612, 0.3206,  
0.4493

■ 55.6090, 0.3194,  
0.4165

■ 58.0931, 0.3176,  
0.3855

■ 60.9277, 0.3154,  
0.3570

■ 64.1258, 0.3130,  
0.3313

# Harmonies

## Analogous

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



47.1970, 0.4254, 0.5400



47.1970, 0.3120, 0.5841



47.1970, 0.2042, 0.4933

# Triad

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



47.1970, 0.3120, 0.5841



47.1970, 0.1221, 0.1596



47.1970, 0.5239, 0.2860

# Complementary

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



47.1970, 0.3120, 0.5841



13.2311, 0.2682, 0.1286

# Split Complementary

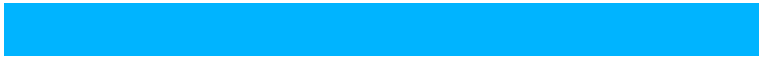
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



47.1970, 0.3973, 0.2182



47.1970, 0.3120, 0.5841



47.1970, 0.1696, 0.1495

# Square

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



47.1970, 0.3120, 0.5841



47.1970, 0.1097, 0.2104



47.1970, 0.2619, 0.1700



47.1970, 0.5675, 0.3621



# Rectangle

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



47.1970, 0.3120, 0.5841



47.1970, 0.1514, 0.3794



47.1970, 0.2619, 0.1700



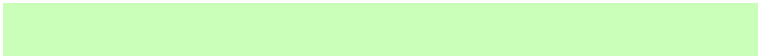
47.1970, 0.4880, 0.2621

# Sweetspot

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



47.1990, 0.3120, 0.5841



87.6270, 0.3188, 0.4049



40.8170, 0.4602, 0.4669



18.4830, 0.3194, 0.4158



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.



47.1990, 0.3120, 0.5841



72.4399, 0.3078, 0.5938



46.6769, 0.2887, 0.5517



13.3356, 0.3150, 0.3528



28.5422, 0.3091, 0.5928



1.6327, 0.3223, 0.5823



# Inverse Universe

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



13.2311, 0.2682, 0.1286



18.9994, 0.2621, 0.1218



16.6733, 0.3935, 0.1984



11.8662, 0.3101, 0.3058



7.5506, 0.2637, 0.1226

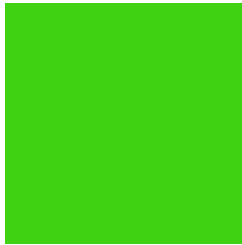


0.4564, 0.2747, 0.1287



# Previews

## White Background



This preview shows how the Yxy color 47.1970, 0.3120, 0.5841 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 47.1970, 0.3120, 0.5841 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

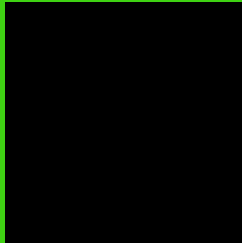
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 47.1970, 0.3120, 0.5841**

## **Background**



This preview shows how black text looks on a background with the Yxy color 47.1970, 0.3120, 0.5841.



This preview shows how white text looks on a background with the Yxy color 47.1970, 0.3120, 0.5841.

# 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

47.1970, 0.3120, 0.5841

### Protanopia

46.2933, 0.4398, 0.4890

### Deuteranopia

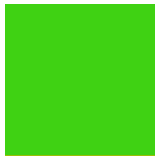
46.2124, 0.4603, 0.4499



## Tritanopia

46.7366, 0.2432, 0.3064

# Trichromacy



## Original Color

47.1970, 0.3120, 0.5841



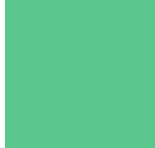
## Protanomaly

44.4869, 0.3830, 0.5321



## Deuteranomaly

43.5762, 0.3959, 0.5068



## Tritanomaly

45.4053, 0.2761, 0.4224

# Monochromacy



## Original Color

47.1970, 0.3120, 0.5841



## Achromatopsia

27.8894, 0.3127, 0.3290



## Achromatomaly

32.5510, 0.3207, 0.4475

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 47.1970, 0.3120, 0.5841 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(63, 210, 19)` looks like.

```
.text, #text, p{  
    color:rgb(63, 210, 19)  
}
```

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(63, 210, 19) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(63, 210, 19) }
```

## Border

The CSS property to change the border of an element to Yxy 47.1970, 0.3120, 0.5841 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(63, 210, 19) }
```

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

```
.border{ border-color:rgb(63, 210, 19) }
```

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

Here you see how a box with a 4 pixel `rgb(63, 210, 19)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(63, 210, 19); -webkit-box-  
shadow:4px 4px 4px 4px rgb(63, 210, 19);  
box-shadow:4px 4px 4px 4px rgb(63, 210,  
19) }
```



# Background

The CSS property to change the background color of an element to Yxy 47.1970, 0.3120, 0.5841 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(63, 210, 19) }
```

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

```
.background{ background-color: rgb(63, 210,  
19) }
```

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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