

# Converting Colors

$Y_{xy}(72.3676, 0.3053, 0.5902)$

Have a look what the booklet for  
Yxy(72.3676, 0.3053, 0.5902)  
contains.

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# Color

**Yxy(72.3661, 0.3053, 0.5902)**

# Conversions

## Conversions Part 1

Format	Color
Hex	36FF17
RGB	54, 255, 23
RGB Percent	21%, 100%, 9%
CMY	0.7886, 0.0000, 0.9092
CMYK	0.79, 0.00, 0.91, 0.00
HSL	112°, 100%, 55%
HSV	112°, 91%, 100%
XYZ	37.4337, 72.3661, 12.8130
YIQ	168.4530, -45.3240, -114.7640

# Conversions

## Conversions Part 2

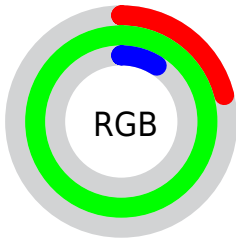
Format	Color
R <sub>Y</sub> B	23, 255, 224
Decimal	3604247
CIE Lab	88.14, -82.40, 81.55
CIE LCh	88, 115.930, 135.295
Yxy	72.3661, 0.3053, 0.5902
Android (android.graphics.Color)	4281794327 (0xFF36FF17)
YUV	168.4530, -71.7083, -100.3753
Hunter-Lab	85.0683, -70.3218, 50.6175

# Details

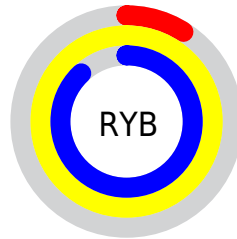
The Yxy color **72.3661, 0.3053, 0.5902** is a dark color, and the websafe version is hex **33FF00**. The color can be described as dark washed green. A complement of this color would be **23.7257, 0.2901, 0.1400**, and the grayscale version is **39.7652, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.6551, 0.3209, 0.5174**, and **39.4799, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **71.8571, 0.3029, 0.5977**, and if you desaturate by 10%, it is **73.2767, 0.3081, 0.5747**.

# Distribution



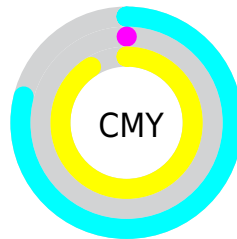
- Red (21%)
- Green (100%)
- Blue (9%)



- Red (9%)
- Yellow (100%)
- Blue (88%)



- Cyan (79%)
- Magenta (0%)
- Yellow (91%)
- Black (0%)




- Cyan (79%)
- Magenta (0%)
- Yellow (91%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 72.3661, 0.3053, 0.5902 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 72.3661, 0.3053, 0.5902 by changing the saturation by 10% instead.




 72.3661, 0.3053,  
0.5902


 72.3661, 0.3053,  
0.5902


468.8149, 0.3213,  
0.4613


 53.4578, 0.2979,  
0.6191


 122.5769, 0.3139,  
0.5453


 38.1683, 0.2867,  
0.6535


 154.6482, 0.3163,  
0.5278

 26.1134, 0.2698,  
0.6943


 191.8759, 0.3180,  
0.5127

 16.9085, 0.2463,  
0.7492

 234.6444, 0.3192,  
0.4996

 10.1693, 0.2047,  
0.7953

 283.3382, 0.3201,  
0.4882

 5.5113, 0.1477,  
0.8523

 338.3416, 0.3206,

 2.5503, 0.0000,

0.4782

1.0000

400.0390, 0.3210,  
0.4693

■ 0.9017, 0.0000,  
1.0000

■ 0.0000, 0.0000,  
0.0000

■ 72.3661, 0.3053,  
0.5902

■ 72.3661, 0.3053,  
0.5902


■ 71.8571, 0.3029,  
0.5977

■ 73.2767, 0.3081,  
0.5747


■ 74.6216, 0.3107,  
0.5512


■ 76.4457, 0.3126,  
0.5215

■ 78.7896, 0.3139,  
0.4879

 81.6893, 0.3146,  
0.4530

 85.1777, 0.3147,  
0.4187

 89.2851, 0.3143,  
0.3866

 94.0395, 0.3137,  
0.3573

 99.4674, 0.3128,  
0.3312

# Harmonies

## Analogous

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



72.3661, 0.4209, 0.5472



72.3661, 0.3053, 0.5902



72.3661, 0.1969, 0.4907

# Triad

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



72.3661, 0.3053, 0.5902



72.3661, 0.1204, 0.1552



72.3661, 0.5332, 0.2878

# Complementary

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



72.3661, 0.3053, 0.5902



23.7257, 0.2901, 0.1400

# 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.



72.3661, 0.4058, 0.2187



72.3661, 0.3053, 0.5902



72.3661, 0.1701, 0.1468

# Square

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



72.3661, 0.3053, 0.5902



72.3661, 0.1063, 0.2040



72.3661, 0.2660, 0.1688



72.3661, 0.5722, 0.3649



# Rectangle

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



72.3661, 0.3053, 0.5902



72.3661, 0.1451, 0.3725



72.3661, 0.2660, 0.1688



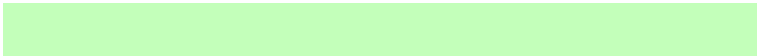
72.3661, 0.4977, 0.2636

# Sweetspot

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



72.3644, 0.3053, 0.5902



86.7114, 0.3146, 0.4058



74.6812, 0.4409, 0.4837



18.2725, 0.3147, 0.4171



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.



72.3644, 0.3053, 0.5902



71.8571, 0.3029, 0.5977



72.7904, 0.2817, 0.5280



20.2836, 0.3136, 0.3534



37.5822, 0.3035, 0.5973



3.6932, 0.3090, 0.5928



# Inverse Universe

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



23.7257, 0.2901, 0.1400



22.6193, 0.2870, 0.1355



24.7812, 0.4288, 0.2177



18.1710, 0.3117, 0.3054



11.8666, 0.2876, 0.1358

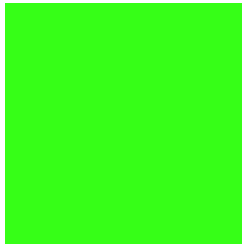


1.1879, 0.2916, 0.1380



# Previews

## White Background



This preview shows how the Yxy color 72.3661, 0.3053, 0.5902 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

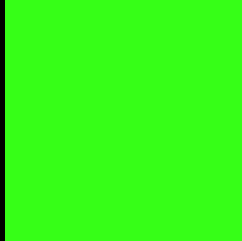
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 72.3661, 0.3053, 0.5902 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 72.3661, 0.3053, 0.5902**

## **Background**



This preview shows how black text looks on a background with the Yxy color 72.3661, 0.3053, 0.5902.



This preview shows how white text looks on a background with the Yxy color 72.3661, 0.3053, 0.5902.

# 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

72.3661, 0.3053, 0.5902

### Protanopia

70.4372, 0.4412, 0.4879

### Deuteranopia

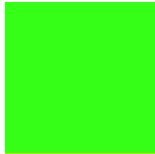
70.4536, 0.3935, 0.3958



## Tritanopia

71.4219, 0.2412, 0.3064

# Trichromacy



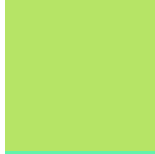
## Original Color

72.3661, 0.3053, 0.5902



## Protanomaly

67.0779, 0.3768, 0.5374



## Deuteranomaly

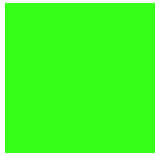
66.3912, 0.3566, 0.4790



## Tritanomaly

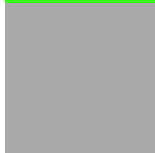
69.6381, 0.2715, 0.4254

# Monochromacy



## Original Color

72.3661, 0.3053, 0.5902



## Achromatopsia

39.1572, 0.3127, 0.3290



## Achromatomaly

47.0584, 0.3151, 0.4562

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 72.3661, 0.3053, 0.5902 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(54, 255, 23)` looks like.

```
.text, #text, p{  
    color:rgb(54, 255, 23)  
}
```

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(54, 255, 23) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(54, 255, 23) }
```

## Border

The CSS property to change the border of an element to Yxy 72.3661, 0.3053, 0.5902 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(54, 255, 23) }
```

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

```
.border{ border-color:rgb(54, 255, 23) }
```

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

Here you see how a box with a 4 pixel `rgb(54, 255, 23)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(54, 255, 23); -webkit-box-  
shadow:4px 4px 4px 4px rgb(54, 255, 23);  
box-shadow:4px 4px 4px 4px rgb(54, 255,  
23) }
```



# Background

The CSS property to change the background color of an element to Yxy 72.3661, 0.3053, 0.5902 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(54, 255, 23) }
```

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

```
.background{ background-color: rgb(54, 255,  
23) }
```

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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