

Converting Colors

$Y_{xy}(72.1165, 0.3039, 0.5933)$

Have a look what the booklet for
Yxy(72.1165, 0.3039, 0.5933)
contains.

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Color

Yxy(72.1184, 0.3039, 0.5932)

Conversions

Conversions Part 1

Format	Color
Hex	2DFF11
RGB	45, 255, 17
RGB Percent	18%, 100%, 7%
CMY	0.8233, 0.0000, 0.9326
CMYK	0.82, 0.00, 0.93, 0.00
HSL	113°, 100%, 53%
HSV	113°, 93%, 100%
XYZ	36.9467, 72.1184, 12.5101
YIQ	165.0780, -48.7620, -118.5380

Conversions

Conversions Part 2

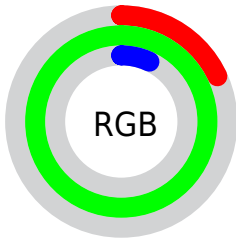
Format	Color
RYB	17, 255, 227
Decimal	3014417
CIELab	88.03, -83.48, 82.13
CIELCh	88, 117.104, 135.468
Yxy	72.1184, 0.3039, 0.5932
Android (android.graphics.Color)	4281204497 (0xFF2DFF11)
YUV	165.0780, -73.0025, -105.3084
Hunter-Lab	84.9226, -70.9556, 50.7117

Details

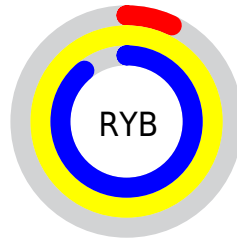
The Yxy color **72.1184, 0.3039, 0.5932** is a dark color, and the websafe version is hex **33FF00**. The color can be described as dark washed green. A complement of this color would be **23.9779, 0.2930, 0.1406**, and the grayscale version is **38.0625, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.1898, 0.3194, 0.5219**, and **39.4799, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **71.7944, 0.3024, 0.5981**, and if you desaturate by 10%, it is **72.9061, 0.3065, 0.5798**.

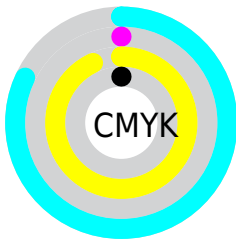
Distribution



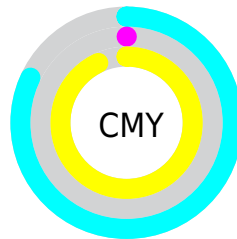
- Red (18%)
- Green (100%)
- Blue (7%)



- Red (7%)
- Yellow (100%)
- Blue (89%)



- Cyan (82%)
- Magenta (0%)
- Yellow (93%)
- Black (0%)





- Cyan (82%)
- Magenta (0%)
- Yellow (93%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 72.1184, 0.3039, 0.5932 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 72.1184, 0.3039, 0.5932 by changing the saturation by 10% instead.

 72.1184, 0.3039,
0.5932


 72.1184, 0.3039,
0.5932

467.9536, 0.3208,
0.4628

 53.2554, 0.2962,
0.6224


 122.2248, 0.3128,
0.5478


 38.0067, 0.2846,
0.6572


 154.2371, 0.3154,
0.5300

 25.9879, 0.2672,
0.6983


 191.4012, 0.3172,
0.5147

 16.8146, 0.2434,
0.7545

 234.1016, 0.3185,
0.5015

 10.1024, 0.2006,
0.7994

 282.7226, 0.3194,
0.4899

 5.4669, 0.1431,
0.8569

 337.6487, 0.3201,

 2.5237, 0.0000,

0.4798

1.0000

399.2642, 0.3205,
0.4708

■ 0.8885, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 72.1184, 0.3039,
0.5932

■ 72.1184, 0.3039,
0.5932

■ 71.7944, 0.3024,
0.5981


■ 72.9061, 0.3065,
0.5798


■ 74.1179, 0.3090,
0.5581

■ 75.8070, 0.3111,
0.5296


■ 78.0168, 0.3126,
0.4966

 80.7858, 0.3135,
0.4616

 84.1490, 0.3139,
0.4268

 88.1383, 0.3139,
0.3940

 92.7834, 0.3135,
0.3639

 98.1120, 0.3129,
0.3371

Harmonies

Analogous

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



72.1184, 0.4203, 0.5492



72.1184, 0.3039, 0.5932



72.1184, 0.1950, 0.4919

Triad

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



72.1184, 0.3039, 0.5932



72.1184, 0.1192, 0.1536



72.1184, 0.5360, 0.2876

Complementary

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



72.1184, 0.3039, 0.5932



23.9779, 0.2930, 0.1406

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.



72.1184, 0.4076, 0.2181



72.1184, 0.3039, 0.5932



72.1184, 0.1693, 0.1455

Square

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



72.1184, 0.3039, 0.5932



72.1184, 0.1048, 0.2022



72.1184, 0.2661, 0.1678



72.1184, 0.5744, 0.3649

Rectangle

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



72.1184, 0.3039, 0.5932



72.1184, 0.1432, 0.3717



72.1184, 0.2661, 0.1678



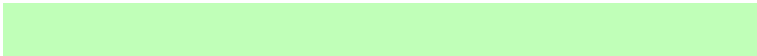
72.1184, 0.5004, 0.2632

Sweetspot

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



72.1205, 0.3039, 0.5932



86.1665, 0.3140, 0.4093



74.2328, 0.4422, 0.4841



18.0860, 0.3139, 0.4236



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.



72.1205, 0.3039, 0.5932



71.7944, 0.3024, 0.5981



72.6484, 0.2824, 0.5328



20.2701, 0.3133, 0.3535



37.5461, 0.3029, 0.5977



3.6869, 0.3080, 0.5936

Inverse Universe

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



23.9779, 0.2930, 0.1406



23.2449, 0.2909, 0.1376



24.4868, 0.4326, 0.2184



18.1859, 0.3119, 0.3055



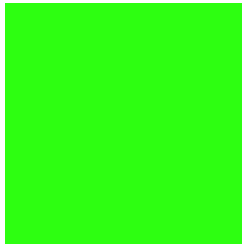
12.1889, 0.2915, 0.1379



1.2161, 0.2950, 0.1399

Previews

White Background



This preview shows how the Yxy color 72.1184, 0.3039, 0.5932 looks on a white background.

Color Contrast Check

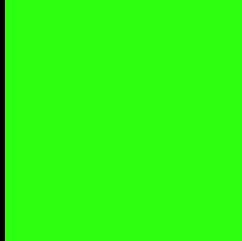
Large Text (above 18pt) WCAG AA × Fail

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 72.1184, 0.3039, 0.5932 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

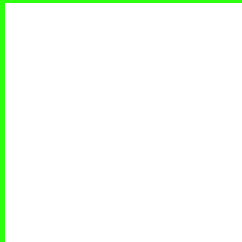
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 72.1184, 0.3039, 0.5932

Background



This preview shows how black text looks on a background with the Yxy color 72.1184, 0.3039, 0.5932.



This preview shows how white text looks on a background with the Yxy color 72.1184, 0.3039, 0.5932.

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

72.1184, 0.3039, 0.5932

Protanopia

70.2559, 0.4404, 0.4885

Deuteranopia

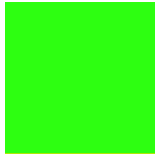
70.4223, 0.3942, 0.3968



Tritanopia

71.2040, 0.2401, 0.3064

Trichromacy



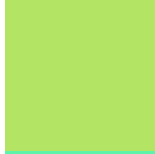
Original Color

72.1184, 0.3039, 0.5932



Protanomaly

66.6106, 0.3740, 0.5401



Deuteranomaly

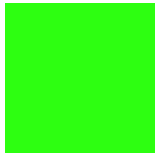
65.9714, 0.3559, 0.4832



Tritanomaly

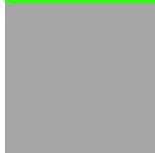
69.2929, 0.2705, 0.4287

Monochromacy



Original Color

72.1184, 0.3039, 0.5932



Achromatopsia

37.6262, 0.3127, 0.3290



Achromatomaly

45.6008, 0.3134, 0.4617

CSS Examples

Text

The CSS property to change the color of the text to Yxy 72.1184, 0.3039, 0.5932 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(45, 255, 17)` looks like.

```
.text, #text, p{  
    color:rgb(45, 255, 17)  
}
```

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(45, 255, 17) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(45, 255, 17) }
```

Border

The CSS property to change the border of an element to Yxy 72.1184, 0.3039, 0.5932 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(45, 255, 17) }
```

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

```
.border{ border-color:rgb(45, 255, 17) }
```

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

Here you see how a box with a 4 pixel rgb(45, 255, 17) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(45, 255, 17); -webkit-box-  
shadow:4px 4px 4px 4px rgb(45, 255, 17);  
box-shadow:4px 4px 4px 4px rgb(45, 255,  
17) }
```


Background

The CSS property to change the background color of an element to Yxy 72.1184, 0.3039, 0.5932 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(45, 255, 17) }
```

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

```
.background{ background-color: rgb(45, 255,  
17) }
```

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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