

Converting Colors

$Y_{xy}(72.1420, 0.3044, 0.5938)$

Have a look what the booklet for
Yxy(72.1420, 0.3044, 0.5938)
contains.

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Color

Yxy(72.1299, 0.3043, 0.5939)

Conversions

Conversions Part 1

Format	Color
Hex	2EFF0D
RGB	46, 255, 13
RGB Percent	18%, 100%, 5%
CMY	0.8200, 0.0000, 0.9479
CMYK	0.82, 0.00, 0.95, 0.00
HSL	112°, 100%, 53%
HSV	112°, 95%, 100%
XYZ	36.9576, 72.1299, 12.3637
YIQ	164.9210, -46.8820, -119.5700

Conversions

Conversions Part 2

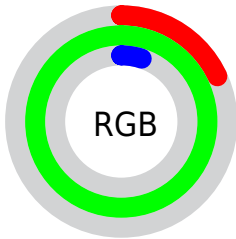
Format	Color
RYB	13, 255, 222
Decimal	3079949
CIELab	88.03, -83.47, 82.52
CIELCh	88, 117.369, 135.328
Yxy	72.1299, 0.3043, 0.5939
Android (android.graphics.Color)	4281270029 (0xFF2EFF0D)
YUV	164.9210, -74.8971, -104.2937
Hunter-Lab	84.9293, -70.9507, 50.8193

Details

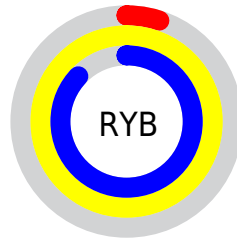
The Yxy color **72.1299, 0.3043, 0.5939** is a dark color, and the websafe version is hex **33FF00**. The color can be described as dark saturated green. A complement of this color would be **23.1030, 0.2882, 0.1375**, and the grayscale version is **37.9719, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.2518, 0.3202, 0.5226**, and **39.4799, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **71.8673, 0.3030, 0.5976**, and if you desaturate by 10%, it is **72.8928, 0.3072, 0.5816**.

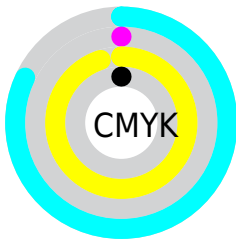
Distribution



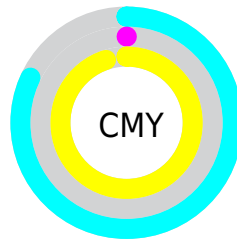
- Red (18%)
- Green (100%)
- Blue (5%)



- Red (5%)
- Yellow (100%)
- Blue (87%)



- Cyan (82%)
- Magenta (0%)
- Yellow (95%)
- Black (0%)





- Cyan (82%)
- Magenta (0%)
- Yellow (95%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 72.1299, 0.3043, 0.5939 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 72.1299, 0.3043, 0.5939 by changing the saturation by 10% instead.


 72.1299, 0.3043,
0.5939

 72.1299, 0.3043,
0.5939


467.9936, 0.3212,
0.4632

 53.2648, 0.2965,
0.6231


 122.2412, 0.3133,
0.5484


 38.0142, 0.2850,
0.6579


 154.2562, 0.3158,
0.5306


 25.9937, 0.2675,
0.6989


 191.4232, 0.3176,
0.5153

 16.8189, 0.2437,
0.7554

 234.1268, 0.3189,
0.5021

 10.1055, 0.2007,
0.7993

 282.7512, 0.3198,
0.4905

 5.4690, 0.1432,
0.8568


 337.6809, 0.3204,


 2.5250, 0.0000,


0.4803


1.0000


399.3002, 0.3209,
0.4713


 0.8891, 0.0000,
1.0000


 0.0000, 0.0000,
0.0000


 72.1299, 0.3043,
0.5939


 72.1299, 0.3043,
0.5939

 71.8673, 0.3030,
0.5976

 72.8928, 0.3072,
0.5816


 74.0683, 0.3099,
0.5611


 75.7046, 0.3121,
0.5335


 77.8441, 0.3137,
0.5012

 80.5242, 0.3146,
0.4665

 83.7787, 0.3148,
0.4318

 87.6385, 0.3146,
0.3987

 92.1325, 0.3140,
0.3683

 97.2876, 0.3132,
0.3410

Harmonies

Analogous

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



72.1299, 0.4209, 0.5491



72.1299, 0.3043, 0.5939



72.1299, 0.1952, 0.4931

Triad

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



72.1299, 0.3043, 0.5939



72.1299, 0.1187, 0.1535



72.1299, 0.5361, 0.2871

Complementary

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



72.1299, 0.3043, 0.5939



23.1030, 0.2882, 0.1375

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.



72.1299, 0.4071, 0.2176



72.1299, 0.3043, 0.5939



72.1299, 0.1687, 0.1452

Square

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



72.1299, 0.3043, 0.5939



72.1299, 0.1045, 0.2023



72.1299, 0.2655, 0.1674



72.1299, 0.5749, 0.3644

Rectangle

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



72.1299, 0.3043, 0.5939



72.1299, 0.1432, 0.3726



72.1299, 0.2655, 0.1674



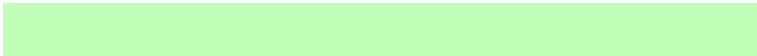
72.1299, 0.5003, 0.2627

Sweetspot

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



72.1285, 0.3043, 0.5939



86.3328, 0.3147, 0.4091



71.8182, 0.4464, 0.4815



18.1244, 0.3148, 0.4234



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.



72.1285, 0.3043, 0.5939



71.8673, 0.3030, 0.5976



72.4873, 0.2843, 0.5404



20.2857, 0.3136, 0.3534



37.5880, 0.3036, 0.5972



3.6942, 0.3092, 0.5927

Inverse Universe

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



23.1030, 0.2882, 0.1375



22.5258, 0.2864, 0.1351



24.4724, 0.4288, 0.2155



18.1687, 0.3116, 0.3054



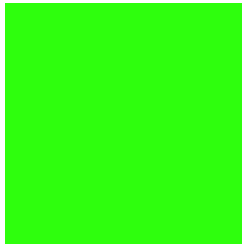
11.8184, 0.2870, 0.1354



1.1836, 0.2911, 0.1377

Previews

White Background



This preview shows how the Yxy color 72.1299, 0.3043, 0.5939 looks on a white background.

Color Contrast Check

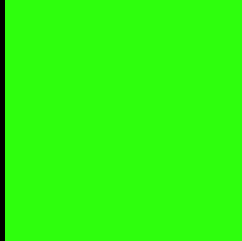
Large Text (above 18pt) WCAG AA × Fail

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 72.1299, 0.3043, 0.5939 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

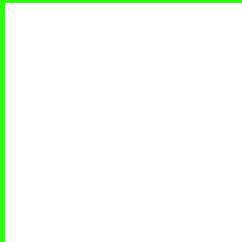
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 72.1299, 0.3043, 0.5939

Background



This preview shows how black text looks on a background with the Yxy color 72.1299, 0.3043, 0.5939.



This preview shows how white text looks on a background with the Yxy color 72.1299, 0.3043, 0.5939.

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

72.1299, 0.3043, 0.5939

Protanopia

70.4372, 0.4412, 0.4879

Deuteranopia

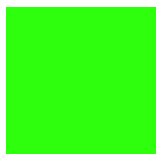
70.4223, 0.3942, 0.3968



Tritanopia

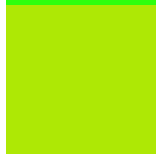
71.2040, 0.2401, 0.3064

Trichromacy



Original Color

72.1299, 0.3043, 0.5939



Protanomaly

66.7229, 0.3748, 0.5396



Deuteranomaly

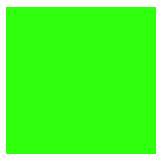
65.9524, 0.3563, 0.4842



Tritanomaly

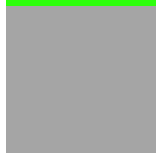
69.2184, 0.2715, 0.4316

Monochromacy



Original Color

72.1299, 0.3043, 0.5939



Achromatopsia

37.6262, 0.3127, 0.3290



Achromatomaly

45.6515, 0.3147, 0.4629

CSS Examples

Text

The CSS property to change the color of the text to Yxy 72.1299, 0.3043, 0.5939 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(46, 255, 13)` looks like.

```
.text, #text, p{  
    color:rgb(46, 255, 13)  
}
```

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(46, 255, 13) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(46, 255, 13) }
```

Border

The CSS property to change the border of an element to Yxy 72.1299, 0.3043, 0.5939 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(46, 255, 13) }
```

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

```
.border{ border-color:rgb(46, 255, 13) }
```

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

Here you see how a box with a 4 pixel rgb(46, 255, 13) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(46, 255, 13); -webkit-box-  
shadow:4px 4px 4px 4px rgb(46, 255, 13);  
box-shadow:4px 4px 4px 4px rgb(46, 255,  
13) }
```


Background

The CSS property to change the background color of an element to Yxy 72.1299, 0.3043, 0.5939 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(46, 255, 13) }
```

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

```
.background{ background-color: rgb(46, 255,  
13) }
```

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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