

Converting Colors

$Y_{xy}(72.5412, 0.3077, 0.5913)$

Have a look what the booklet for
Yxy(72.5412, 0.3077, 0.5913)
contains.

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Color

Yxy(72.5412, 0.3077, 0.5913)

Conversions

Conversions Part 1

Format	Color
Hex	3DFF0D
RGB	61, 255, 13
RGB Percent	24%, 100%, 5%
CMY	0.7615, 0.0000, 0.9492
CMYK	0.76, 0.00, 0.95, 0.00
HSL	108°, 100%, 53%
HSV	108°, 95%, 100%
XYZ	37.7489, 72.5412, 12.3908
YIQ	169.4060, -37.9420, -116.3900

Conversions

Conversions Part 2

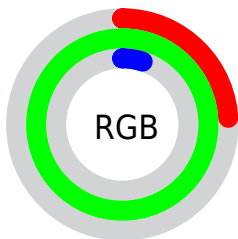
Format	Color
RYB	13, 255, 207
Decimal	4062989
CIELab	88.23, -81.73, 82.79
CIElCh	88, 116.333, 134.633
Yxy	72.5412, 0.3077, 0.5913
Android (android.graphics.Color)	4282253069 (0xFF3DFF0D)
YUV	169.4060, -77.1082, -95.0721
Hunter-Lab	85.1711, -69.9360, 50.9942

Details

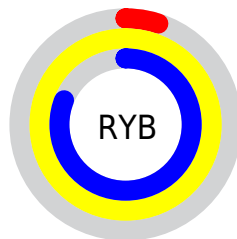
The Yxy color **72.5412, 0.3077, 0.5913** is a dark color, and the websafe version is hex **33FF00**. The color can be described as dark saturated green. A complement of this color would be **20.7924, 0.2730, 0.1291**, and the grayscale version is **40.2630, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.8352, 0.3240, 0.5203**, and **39.9325, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **72.2090, 0.3059, 0.5954**, and if you desaturate by 10%, it is **73.4249, 0.3115, 0.5785**.

Distribution



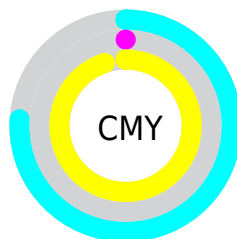
- Red (24%)
- Green (100%)
- Blue (5%)



- Red (5%)
- Yellow (100%)
- Blue (81%)



- Cyan (76%)
- Magenta (0%)
- Yellow (95%)
- Black (0%)




- Cyan (76%)
- Magenta (0%)
- Yellow (95%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 72.5412, 0.3077, 0.5913 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 72.5412, 0.3077, 0.5913 by changing the saturation by 10% instead.


 72.5412, 0.3077,
0.5913


 72.5412, 0.3077,
0.5913


469.4231, 0.3229,
0.4623

 53.6009, 0.3003,
0.6200

 122.8257, 0.3161,
0.5465


 38.2827, 0.2893,
0.6541


 154.9386, 0.3184,
0.5290

 26.2022, 0.2724,
0.6943


 192.2112, 0.3200,
0.5139


 16.9749, 0.2494,
0.7495

 235.0279, 0.3211,
0.5008

 10.2166, 0.2072,
0.7928

 283.7730, 0.3219,
0.4893

 5.5428, 0.1505,
0.8495

 338.8310, 0.3224,

 2.5691, 0.0000,

0.4792

1.0000

400.5863, 0.3227,
0.4703

■ 0.9112, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 72.5412, 0.3077,
0.5913

■ 72.5412, 0.3077,
0.5913

■ 72.2090, 0.3059,
0.5954

■ 73.4249, 0.3115,
0.5785


■ 74.6995, 0.3147,
0.5580


■ 76.4013, 0.3171,
0.5308


■ 78.5661, 0.3184,
0.4991

 81.2258, 0.3187,
0.4652

 84.4095, 0.3182,
0.4311

 88.1437, 0.3171,
0.3986

 92.4532, 0.3155,
0.3685

 97.3613, 0.3137,
0.3413

Harmonies

Analogous

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



72.5412, 0.4234, 0.5457



72.5412, 0.3077, 0.5913



72.5412, 0.1987, 0.4949

Triad

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



72.5412, 0.3077, 0.5913



72.5412, 0.1194, 0.1554



72.5412, 0.5317, 0.2860

Complementary

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



72.5412, 0.3077, 0.5913



20.7924, 0.2730, 0.1291

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.



72.5412, 0.4027, 0.2171



72.5412, 0.3077, 0.5913



72.5412, 0.1682, 0.1463

Square

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



72.5412, 0.3077, 0.5913



72.5412, 0.1060, 0.2054



72.5412, 0.2632, 0.1677



72.5412, 0.5730, 0.3630

Rectangle

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



72.5412, 0.3077, 0.5913



72.5412, 0.1461, 0.3764



72.5412, 0.2632, 0.1677



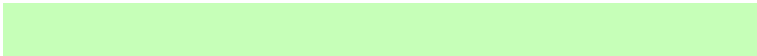
72.5412, 0.4955, 0.2618

Sweetspot

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



72.5356, 0.3077, 0.5913



86.9316, 0.3175, 0.4084



65.7177, 0.4572, 0.4729



18.2634, 0.3180, 0.4225



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.



72.5356, 0.3077, 0.5913



72.2090, 0.3059, 0.5954



72.2704, 0.2879, 0.5536



20.3410, 0.3146, 0.3534



37.7794, 0.3066, 0.5947



3.7213, 0.3135, 0.5893

Inverse Universe

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



20.7924, 0.2730, 0.1291



20.1388, 0.2703, 0.1263



24.9405, 0.4106, 0.2053



18.1083, 0.3106, 0.3054



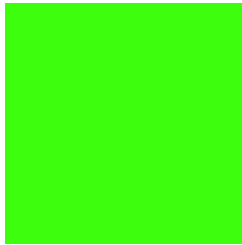
10.5869, 0.2712, 0.1268



1.0749, 0.2771, 0.1300

Previews

White Background



This preview shows how the Yxy color 72.5412, 0.3077, 0.5913 looks on a white background.

Color Contrast Check

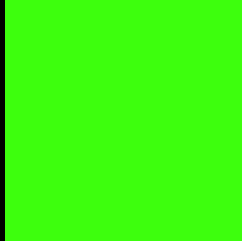
Large Text (above 18pt) WCAG AA × Fail

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 72.5412, 0.3077, 0.5913 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 72.5412, 0.3077, 0.5913

Background



This preview shows how black text looks on a background with the Yxy color 72.5412, 0.3077, 0.5913.



This preview shows how white text looks on a background with the Yxy color 72.5412, 0.3077, 0.5913.

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

72.5412, 0.3077, 0.5913

Protanopia

70.9606, 0.4403, 0.4886

Deuteranopia

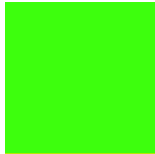
70.4851, 0.3928, 0.3948



Tritanopia

71.5709, 0.2420, 0.3065

Trichromacy



Original Color

72.5412, 0.3077, 0.5913



Protanomaly

67.8725, 0.3780, 0.5372



Deuteranomaly

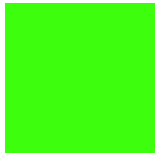
66.5780, 0.3596, 0.4811



Tritanomaly

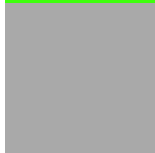
69.7160, 0.2749, 0.4306

Monochromacy



Original Color

72.5412, 0.3077, 0.5913



Achromatopsia

39.6755, 0.3127, 0.3290



Achromatomaly

47.2242, 0.3191, 0.4597

CSS Examples

Text

The CSS property to change the color of the text to Yxy 72.5412, 0.3077, 0.5913 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, 255, 13)` looks like.

```
.text, #text, p{  
    color:rgb(61, 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(61, 255, 13) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(61, 255, 13) }
```

Border

The CSS property to change the border of an element to Yxy 72.5412, 0.3077, 0.5913 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, 255, 13) }
```

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

```
.border{ border-color:rgb(61, 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(61, 255, 13)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(61, 255, 13); -webkit-box-  
shadow:4px 4px 4px 4px rgb(61, 255, 13);  
box-shadow:4px 4px 4px 4px rgb(61, 255,  
13) }
```


Background

The CSS property to change the background color of an element to Yxy 72.5412, 0.3077, 0.5913 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(61, 255, 13) }
```

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

```
.background{ background-color: rgb(61, 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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