

Converting Colors

Yxy(72.4666, 0.3024, 0.5813)

Have a look what the booklet for
Yxy(72.4666, 0.3024, 0.5813)
contains.

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Color

Yxy(72.4663, 0.3025, 0.5814)

Conversions

Conversions Part 1

Format	Color
Hex	35FF2D
RGB	53, 255, 45
RGB Percent	21%, 100%, 18%
CMY	0.7918, 0.0000, 0.8240
CMYK	0.79, 0.00, 0.82, 0.00
HSL	118°, 100%, 59%
HSV	118°, 82%, 100%
XYZ	37.7039, 72.4663, 14.4708
YIQ	170.6620, -52.9820, -108.1340

Conversions

Conversions Part 2

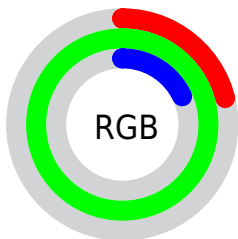
Format	Color
RYB	45, 255, 247
Decimal	3538733
CIELab	88.19, -81.72, 77.58
CIELCh	88, 112.681, 136.490
Yxy	72.4663, 0.3025, 0.5814
Android (android.graphics.Color)	4281728813 (0xFF35FF2D)
YUV	170.6620, -61.9514, -103.1896
Hunter-Lab	85.1271, -69.9125, 49.5102

Details

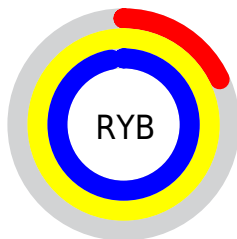
The Yxy color **72.4663, 0.3025, 0.5814** is a dark color, and the websafe version is hex **33FF33**. The color can be described as dark washed green. A complement of this color would be **28.8249, 0.3125, 0.1573**, and the grayscale version is **40.8924, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.7141, 0.3157, 0.5069**, and **39.9325, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **71.8237, 0.3012, 0.5947**, and if you desaturate by 10%, it is **73.5702, 0.3041, 0.5594**.

Distribution



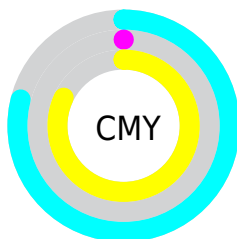
- Red (21%)
- Green (100%)
- Blue (18%)



- Red (18%)
- Yellow (100%)
- Blue (97%)



- Cyan (79%)
- Magenta (0%)
- Yellow (82%)
- Black (0%)




- Cyan (79%)
- Magenta (0%)
- Yellow (82%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 72.4663, 0.3025, 0.5814 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 72.4663, 0.3025, 0.5814 by changing the saturation by 10% instead.


 72.4663, 0.3025,
0.5814


 72.4663, 0.3025,
0.5814


469.1630, 0.3186,
0.4562

 53.5397, 0.2954,
0.6100


 122.7193, 0.3108,
0.5375


 38.2338, 0.2849,
0.6443


 154.8144, 0.3132,
0.5204

 26.1642, 0.2689,
0.6856


 192.0678, 0.3149,
0.5058

 16.9465, 0.2454,
0.7379


 234.8639, 0.3162,
0.4931

 10.1964, 0.2071,
0.7929

 283.5871, 0.3171,
0.4821

 5.5293, 0.1503,
0.8497

338.6217, 0.3178,

 2.5611, 0.0000,

0.4724

1.0000

400.3522, 0.3182,
0.4638

■ 0.9071, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 72.4663, 0.3025,
0.5814

■ 72.4663, 0.3025,
0.5814

■ 71.8237, 0.3012,
0.5947

■ 73.5702, 0.3041,
0.5594


■ 71.5843, 0.3006,
0.5996


■ 75.1936, 0.3057,
0.5302


■ 77.3924, 0.3073,
0.4963


■ 80.2136, 0.3088,
0.4604

 83.6995, 0.3101,
0.4250

 87.8886, 0.3111,
0.3918

 92.8166, 0.3119,
0.3616

 98.5166, 0.3126,
0.3349

 100.0000, 0.3127,
0.3290

Harmonies

Analogous

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



72.4663, 0.4160, 0.5463



72.4663, 0.3025, 0.5814



72.4663, 0.1968, 0.4790

Triad

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



72.4663, 0.3025, 0.5814



72.4663, 0.1251, 0.1578



72.4663, 0.5307, 0.2925

Complementary

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



72.4663, 0.3025, 0.5814



28.8249, 0.3125, 0.1573

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.



72.4663, 0.4092, 0.2237



72.4663, 0.3025, 0.5814



72.4663, 0.1759, 0.1506

Square

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



72.4663, 0.3025, 0.5814



72.4663, 0.1100, 0.2044



72.4663, 0.2722, 0.1734



72.4663, 0.5658, 0.3691

Rectangle

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



72.4663, 0.3025, 0.5814



72.4663, 0.1468, 0.3650



72.4663, 0.2722, 0.1734



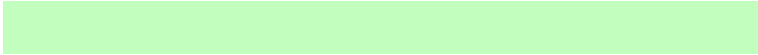
72.4663, 0.4973, 0.2683

Sweetspot

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



72.4682, 0.3025, 0.5814



86.7276, 0.3109, 0.4002



86.4481, 0.4219, 0.4914



18.2449, 0.3105, 0.4118



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.



72.4682, 0.3025, 0.5814



71.6068, 0.3006, 0.5990



73.9524, 0.2729, 0.4860



20.2020, 0.3122, 0.3535



37.4190, 0.3008, 0.5994



3.6547, 0.3027, 0.5978

Inverse Universe

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



28.8249, 0.3125, 0.1573



26.7126, 0.3111, 0.1490



25.6825, 0.4410, 0.2333



18.2621, 0.3132, 0.3055



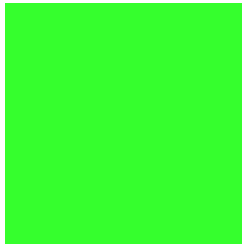
13.9356, 0.3112, 0.1488



1.3677, 0.3123, 0.1494

Previews

White Background



This preview shows how the Yxy color 72.4663, 0.3025, 0.5814 looks on a white background.

Color Contrast Check

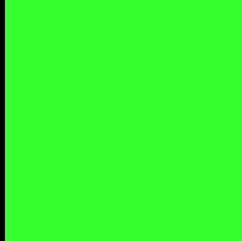
Large Text (above 18pt) WCAG AA × Fail

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 72.4663, 0.3025, 0.5814 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

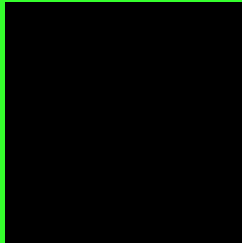
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 72.4663, 0.3025, 0.5814

Background



This preview shows how black text looks on a background with the Yxy color 72.4663, 0.3025, 0.5814.

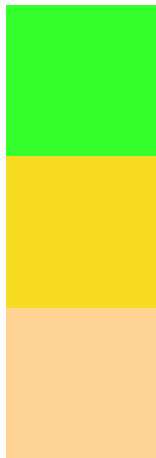


This preview shows how white text looks on a background with the Yxy color 72.4663, 0.3025, 0.5814.

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

72.4663, 0.3025, 0.5814

Protanopia

70.5585, 0.4371, 0.4820

Deuteranopia

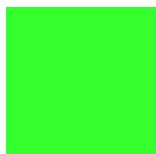
70.5169, 0.3921, 0.3938



Tritanopia

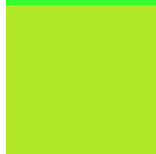
71.9993, 0.2414, 0.3077

Trichromacy



Original Color

72.4663, 0.3025, 0.5814



Protanomaly

67.0898, 0.3722, 0.5299



Deuteranomaly

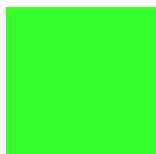
66.5796, 0.3521, 0.4697



Tritanomaly

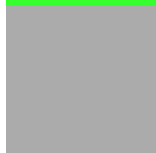
70.5527, 0.2679, 0.4152

Monochromacy



Original Color

72.4663, 0.3025, 0.5814



Achromatopsia

40.7240, 0.3127, 0.3290



Achromatomaly

48.3109, 0.3094, 0.4433

CSS Examples

Text

The CSS property to change the color of the text to Yxy 72.4663, 0.3025, 0.5814 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(53, 255, 45)` looks like.

```
.text, #text, p{  
    color:rgb(53, 255, 45)  
}
```

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(53, 255, 45) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(53, 255, 45) }
```

Border

The CSS property to change the border of an element to Yxy 72.4663, 0.3025, 0.5814 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(53, 255, 45) }
```

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

```
.border{ border-color:rgb(53, 255, 45) }
```

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

Here you see how a box with a 4 pixel rgb(53, 255, 45) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(53, 255, 45); -webkit-box-  
shadow:4px 4px 4px 4px rgb(53, 255, 45);  
box-shadow:4px 4px 4px 4px rgb(53, 255,  
45) }
```


Background

The CSS property to change the background color of an element to Yxy 72.4663, 0.3025, 0.5814 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(53, 255, 45) }
```

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

```
.background{ background-color: rgb(53, 255,  
45) }
```

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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