

Converting Colors

$Y_{xy}(72.3554, 0.3004, 0.5794)$

Have a look what the booklet for
Yxy(72.3554, 0.3004, 0.5794)
contains.

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Color

Yxy(72.3546, 0.3004, 0.5794)

Conversions

Conversions Part 1

Format	Color
Hex	2FFF32
RGB	47, 255, 50
RGB Percent	18%, 100%, 20%
CMY	0.8151, 0.0000, 0.8037
CMYK	0.82, 0.00, 0.80, 0.00
HSL	121°, 100%, 59%
HSV	121°, 82%, 100%
XYZ	37.5135, 72.3546, 15.0104
YIQ	169.4380, -58.1630, -107.8510

Conversions

Conversions Part 2

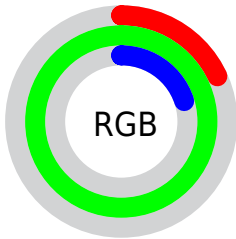
Format	Color
RYB	47, 252, 255
Decimal	3145522
CIELab	88.14, -82.11, 76.23
CIELCh	88, 112.043, 137.126
Yxy	72.3546, 0.3004, 0.5794
Android (android.graphics.Color)	4281335602 (0xFF2FFF32)
YUV	169.4380, -58.8829, -107.3781
Hunter-Lab	85.0615, -70.1363, 49.0804

Details

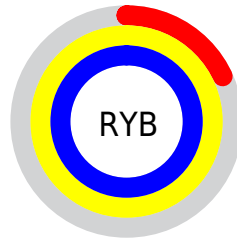
The Yxy color **72.3546, 0.3004, 0.5794** is a dark color, and the websafe version is hex **33FF33**. The color can be described as dark washed green. A complement of this color would be **30.3385, 0.3234, 0.1639**, and the grayscale version is **40.2487, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.5375, 0.3130, 0.5045**, and **39.4799, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **71.7555, 0.3000, 0.5937**, and if you desaturate by 10%, it is **73.4323, 0.3013, 0.5565**.

Distribution



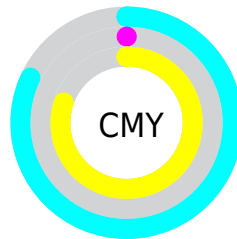
- Red (18%)
- Green (100%)
- Blue (20%)



- Red (18%)
- Yellow (99%)
- Blue (100%)



- Cyan (82%)
- Magenta (0%)
- Yellow (80%)
- Black (0%)




- Cyan (82%)
- Magenta (0%)
- Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 72.3546, 0.3004, 0.5794 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 72.3546, 0.3004, 0.5794 by changing the saturation by 10% instead.


 72.3546, 0.3004,
0.5794


 72.3546, 0.3004,
0.5794


468.7749, 0.3171,
0.4548


 53.4484, 0.2933,
0.6080


 122.5605, 0.3088,
0.5356


 38.1608, 0.2827,
0.6425


 154.6291, 0.3113,
0.5186


 26.1075, 0.2668,
0.6842


 191.8538, 0.3131,
0.5040

 16.9041, 0.2431,
0.7363

 234.6192, 0.3145,
0.4915

 10.1662, 0.2056,
0.7944

 283.3096, 0.3154,
0.4805

 5.5093, 0.1486,
0.8514

338.3094, 0.3162,

 2.5490, 0.0000,

0.4709

1.0000

400.0031, 0.3167,
0.4624

■ 0.9011, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 72.3546, 0.3004,
0.5794

■ 72.3546, 0.3004,
0.5794

■ 71.7555, 0.3000,
0.5937


■ 73.4323, 0.3013,
0.5565

■ 71.5270, 0.2998,
0.5994


■ 75.0504, 0.3026,
0.5265


■ 77.2706, 0.3042,
0.4922

■ 80.1442, 0.3060,
0.4563

 83.7170, 0.3077,
0.4212

 88.0308, 0.3095,
0.3884

 93.1239, 0.3111,
0.3588

 99.0321, 0.3125,
0.3326

99.9992, 0.3127,
0.3290

Harmonies

Analogous

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



72.3546, 0.4136, 0.5472



72.3546, 0.3004, 0.5794



72.3546, 0.1955, 0.4747

Triad

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



72.3546, 0.3004, 0.5794



72.3546, 0.1265, 0.1580



72.3546, 0.5314, 0.2943

Complementary

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



72.3546, 0.3004, 0.5794



30.3385, 0.3234, 0.1639

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.



72.3546, 0.4118, 0.2254



72.3546, 0.3004, 0.5794



72.3546, 0.1780, 0.1514

Square

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



72.3546, 0.3004, 0.5794



72.3546, 0.1107, 0.2035



72.3546, 0.2750, 0.1748



72.3546, 0.5645, 0.3710

Rectangle

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



72.3546, 0.3004, 0.5794



72.3546, 0.1463, 0.3615



72.3546, 0.2750, 0.1748



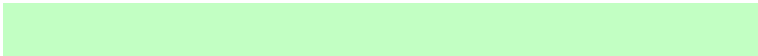
72.3546, 0.4988, 0.2702

Sweetspot

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



72.3576, 0.3004, 0.5794



86.8874, 0.3090, 0.3962



92.9853, 0.4144, 0.4971



18.2644, 0.3084, 0.4079



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.



72.3576, 0.3004, 0.5794



71.5717, 0.2999, 0.5984



74.3636, 0.2686, 0.4697



20.1723, 0.3114, 0.3532



37.3766, 0.2998, 0.5992



3.6406, 0.2992, 0.5971

Inverse Universe

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



30.3385, 0.3234, 0.1639



28.3679, 0.3244, 0.1565



25.5409, 0.4553, 0.2430



18.2958, 0.3140, 0.3059



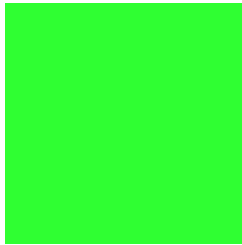
14.7646, 0.3244, 0.1561



1.4389, 0.3240, 0.1559

Previews

White Background



This preview shows how the Yxy color 72.3546, 0.3004, 0.5794 looks on a white background.

Color Contrast Check

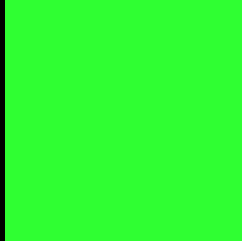
Large Text (above 18pt) WCAG AA × Fail

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 72.3546, 0.3004, 0.5794 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

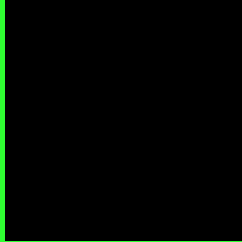
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 72.3546, 0.3004, 0.5794

Background



This preview shows how black text looks on a background with the Yxy color 72.3546, 0.3004, 0.5794.

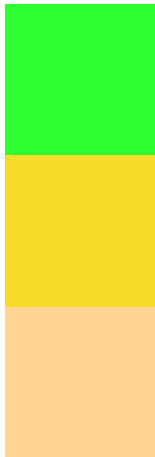


This preview shows how white text looks on a background with the Yxy color 72.3546, 0.3004, 0.5794.

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

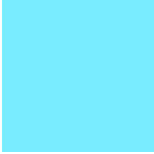
72.3546, 0.3004, 0.5794

Protanopia

70.4160, 0.4351, 0.4807

Deuteranopia

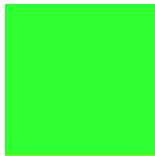
70.4851, 0.3928, 0.3948



Tritanopia

71.8533, 0.2407, 0.3076

Trichromacy



Original Color

72.3546, 0.3004, 0.5794



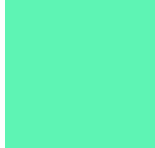
Protanomaly

66.8937, 0.3697, 0.5288



Deuteranomaly

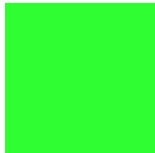
66.2404, 0.3493, 0.4697



Tritanomaly

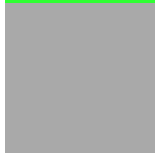
70.3763, 0.2660, 0.4141

Monochromacy



Original Color

72.3546, 0.3004, 0.5794



Achromatopsia

39.6755, 0.3127, 0.3290



Achromatomaly

47.1749, 0.3068, 0.4402

CSS Examples

Text

The CSS property to change the color of the text to Yxy 72.3546, 0.3004, 0.5794 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(47, 255, 50)` looks like.

```
.text, #text, p{  
    color:rgb(47, 255, 50)  
}
```

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(47, 255, 50) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(47, 255, 50) }
```

Border

The CSS property to change the border of an element to Yxy 72.3546, 0.3004, 0.5794 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(47, 255, 50) }
```

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

```
.border{ border-color:rgb(47, 255, 50) }
```

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

Here you see how a box with a 4 pixel `rgb(47, 255, 50)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(47, 255, 50); -webkit-box-  
shadow:4px 4px 4px 4px rgb(47, 255, 50);  
box-shadow:4px 4px 4px 4px rgb(47, 255,  
50) }
```


Background

The CSS property to change the background color of an element to Yxy 72.3546, 0.3004, 0.5794 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(47, 255, 50) }
```

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

```
.background{ background-color: rgb(47, 255,  
50) }
```

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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