

Converting Colors

$Yxy(72.4992, 0.2989, 0.5726)$

Have a look what the booklet for
Yxy(72.4992, 0.2989, 0.5726)
contains.

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Color

Yxy(72.4992, 0.2989, 0.5726)

Conversions

Conversions Part 1

Format	Color
Hex	31FF3C
RGB	49, 255, 60
RGB Percent	19%, 100%, 24%
CMY	0.8075, 0.0000, 0.7648
CMYK	0.81, 0.00, 0.76, 0.00
HSL	123°, 100%, 60%
HSV	123°, 81%, 100%
XYZ	37.8449, 72.4992, 16.2699
YIQ	171.1760, -60.1810, -104.3170

Conversions

Conversions Part 2

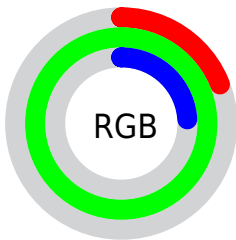
Format	Color
RYB	49, 245, 255
Decimal	3276604
CIELab	88.21, -81.33, 73.54
CIELCh	88, 109.650, 137.881
Yxy	72.4992, 0.2989, 0.5726
Android (android.graphics.Color)	4281466684 (0xFF31FF3C)
YUV	171.1760, -54.8098, -107.1484
Hunter-Lab	85.1465, -69.6686, 48.2733

Details

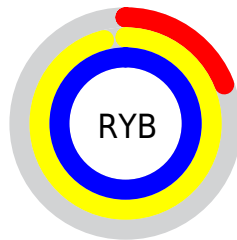
The Yxy color **72.4992, 0.2989, 0.5726** is a dark color, and the websafe version is hex **33FF33**. The color can be described as dark washed green. A complement of this color would be **30.0032, 0.3314, 0.1694**, and the grayscale version is **41.1350, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.7816, 0.3106, 0.4965**, and **39.4799, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **71.8356, 0.2990, 0.5894**, and if you desaturate by 10%, it is **73.6417, 0.2994, 0.5480**.

Distribution



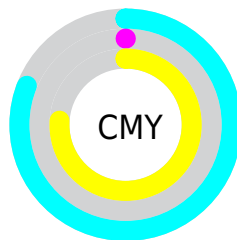
- Red (19%)
- Green (100%)
- Blue (24%)



- Red (19%)
- Yellow (96%)
- Blue (100%)



- Cyan (81%)
- Magenta (0%)
- Yellow (76%)
- Black (0%)




- Cyan (81%)
- Magenta (0%)
- Yellow (76%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 72.4992, 0.2989, 0.5726 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 72.4992, 0.2989, 0.5726 by changing the saturation by 10% instead.


 72.4992, 0.2989,
0.5726


 72.4992, 0.2989,
0.5726


469.2773, 0.3155,
0.4511


 53.5666, 0.2920,
0.6008


 122.7660, 0.3071,
0.5297


 38.2552, 0.2819,
0.6350


 154.8689, 0.3095,
0.5131


 26.1809, 0.2667,
0.6766


 192.1308, 0.3114,
0.4989

 16.9590, 0.2435,
0.7277

 234.9359, 0.3127,
0.4867

 10.2053, 0.2084,
0.7916

 283.6688, 0.3137,
0.4760

 5.5353, 0.1518,
0.8482


338.7137, 0.3145,

 2.5646, 0.0000,

0.4667


1.0000


400.4550, 0.3151,
0.4584


 0.9089, 0.0000,
1.0000


 0.0000, 0.0000,
0.0000


 72.4992, 0.2989,
0.5726

 72.4992, 0.2989,
0.5726


 71.8356, 0.2990,
0.5894


 73.6417, 0.2994,
0.5480


 71.5503, 0.2994,
0.5977


 75.3234, 0.3005,
0.5174

 77.6027, 0.3022,
0.4835


 80.5285, 0.3041,
0.4486

 84.1450, 0.3063,
0.4149

 88.4922, 0.3085,
0.3836

 93.6072, 0.3106,
0.3555

 99.5246, 0.3126,
0.3307

 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.



72.4992, 0.4106, 0.5457



72.4992, 0.2989, 0.5726



72.4992, 0.1959, 0.4671

Triad

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



72.4992, 0.2989, 0.5726



72.4992, 0.1300, 0.1602



72.4992, 0.5289, 0.2974

Complementary

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



72.4992, 0.2989, 0.5726



30.0032, 0.3314, 0.1694

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.



72.4992, 0.4134, 0.2289



72.4992, 0.2989, 0.5726



72.4992, 0.1821, 0.1543

Square

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



72.4992, 0.2989, 0.5726



72.4992, 0.1136, 0.2043



72.4992, 0.2789, 0.1781



72.4992, 0.5597, 0.3736

Rectangle

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



72.4992, 0.2989, 0.5726



72.4992, 0.1480, 0.3572



72.4992, 0.2789, 0.1781



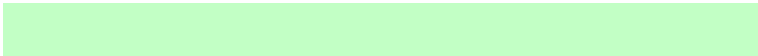
72.4992, 0.4976, 0.2734

Sweetspot

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



72.5013, 0.2989, 0.5726



86.9957, 0.3078, 0.3935



91.1020, 0.4068, 0.5017



18.2894, 0.3070, 0.4046



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.



72.5013, 0.2989, 0.5726



71.6225, 0.2993, 0.5957



74.7961, 0.2644, 0.4537



20.1837, 0.3108, 0.3523



37.3929, 0.2991, 0.5968



3.6460, 0.2970, 0.5893

Inverse Universe

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



30.0032, 0.3314, 0.1694



27.8324, 0.3344, 0.1623



25.4100, 0.4696, 0.2528



18.2828, 0.3146, 0.3068



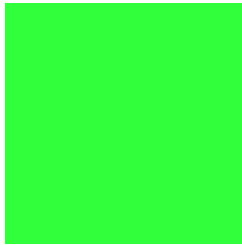
14.4508, 0.3346, 0.1617



1.4119, 0.3329, 0.1608

Previews

White Background



This preview shows how the Yxy color 72.4992, 0.2989, 0.5726 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 72.4992, 0.2989, 0.5726 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 72.4992, 0.2989, 0.5726

Background



This preview shows how black text looks on a background with the Yxy color 72.4992, 0.2989, 0.5726.

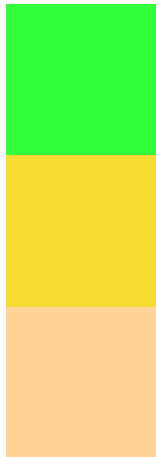


This preview shows how white text looks on a background with the Yxy color 72.4992, 0.2989, 0.5726.

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

72.4992, 0.2989, 0.5726

Protanopia

70.4949, 0.4326, 0.4770

Deuteranopia

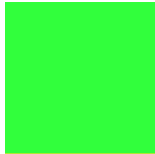
70.5490, 0.3914, 0.3928



Tritanopia

71.9993, 0.2414, 0.3077

Trichromacy



Original Color

72.4992, 0.2989, 0.5726



Protanomaly

66.9782, 0.3673, 0.5237



Deuteranomaly

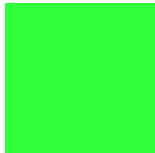
66.4745, 0.3474, 0.4639



Tritanomaly

70.6489, 0.2648, 0.4083

Monochromacy



Original Color

72.4992, 0.2989, 0.5726



Achromatopsia

40.7240, 0.3127, 0.3290



Achromatomaly

48.3918, 0.3050, 0.4345

CSS Examples

Text

The CSS property to change the color of the text to Yxy 72.4992, 0.2989, 0.5726 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(49, 255, 60)` looks like.

```
.text, #text, p{  
    color:rgb(49, 255, 60)  
}
```

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(49, 255, 60) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(49, 255, 60) }
```

Border

The CSS property to change the border of an element to Yxy 72.4992, 0.2989, 0.5726 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(49, 255, 60) }
```

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

```
.border{ border-color:rgb(49, 255, 60) }
```

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

Here you see how a box with a 4 pixel `rgb(49, 255, 60)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(49, 255, 60); -webkit-box-  
shadow:4px 4px 4px 4px rgb(49, 255, 60);  
box-shadow:4px 4px 4px 4px rgb(49, 255,  
60) }
```


Background

The CSS property to change the background color of an element to Yxy 72.4992, 0.2989, 0.5726 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(49, 255, 60) }
```

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

```
.background{ background-color: rgb(49, 255,  
60) }
```

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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