

Converting Colors

$Y_{xy}(72.7729, 0.2931, 0.5534)$

Have a look what the booklet for
Yxy(72.7729, 0.2931, 0.5534)
contains.

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Color

Yxy(72.7729, 0.2931, 0.5534)

Conversions

Conversions Part 1

Format	Color
Hex	30FF53
RGB	48, 255, 83
RGB Percent	19%, 100%, 33%
CMY	0.8112, 0.0000, 0.6747
CMYK	0.81, 0.00, 0.67, 0.00
HSL	130°, 100%, 59%
HSV	130°, 81%, 100%
XYZ	38.5431, 72.7729, 20.1855
YIQ	173.4990, -68.1600, -97.3760

Conversions

Conversions Part 2

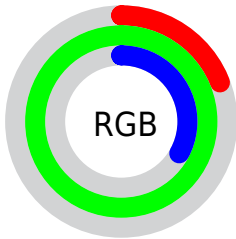
Format	Color
RYB	48, 225, 255
Decimal	3211091
CIELab	88.34, -79.65, 65.86
CIELCh	88, 103.349, 140.415
Yxy	72.7729, 0.2931, 0.5534
Android (android.graphics.Color)	4281401171 (0xFF30FF53)
YUV	173.4990, -44.6160, -110.0626
Hunter-Lab	85.3070, -68.6382, 45.6856

Details

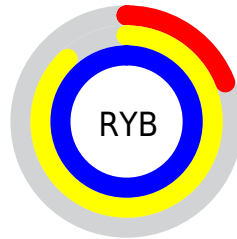
The Yxy color **72.7729, 0.2931, 0.5534** is a dark color, and the websafe version is hex **33FF66**. The color can be described as dark washed green. A complement of this color would be **28.5633, 0.3581, 0.1852**, and the grayscale version is **42.3351, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.2387, 0.3015, 0.4731**, and **39.9590, 0.2990, 0.5964** is the 20% darker color. If you saturate the color by 10%, you get **72.0428, 0.2946, 0.5741**, and if you desaturate by 10%, it is **73.9641, 0.2927, 0.5273**.

Distribution



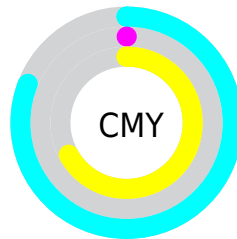
- Red (19%)
- Green (100%)
- Blue (33%)



- Red (19%)
- Yellow (88%)
- Blue (100%)



- Cyan (81%)
- Magenta (0%)
- Yellow (67%)
- Black (0%)





- Cyan (81%)
- Magenta (0%)
- Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 72.7729, 0.2931, 0.5534 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 72.7729, 0.2931, 0.5534 by changing the saturation by 10% instead.


 72.7729, 0.2931,
0.5534


 72.7729, 0.2931,
0.5534


470.2273, 0.3104,
0.4407


 53.7903, 0.2867,
0.5801


 123.1548, 0.3010,
0.5132


 38.4340, 0.2775,
0.6131


 155.3228, 0.3035,
0.4978

 26.3197, 0.2639,
0.6543


 192.6548, 0.3054,
0.4847

 17.0630, 0.2429,
0.7056

 235.5350, 0.3069,
0.4734

 10.2794, 0.2143,
0.7844

284.3481, 0.3081,
0.4636

 5.5846, 0.1587,
0.8413

339.4782, 0.3090,

 2.5942, 0.0000,

0.4550

1.0000

401.3098, 0.3098,
0.4475

■ 0.9237, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 72.7729, 0.2931,
0.5534

■ 72.7729, 0.2931,
0.5534

■ 72.0428, 0.2946,
0.5741


■ 73.9641, 0.2927,
0.5273


■ 71.6937, 0.2964,
0.5872


■ 75.6704, 0.2935,
0.4975


■ 77.9460, 0.2954,
0.4661


■ 80.8363, 0.2981,
0.4349

 84.3819, 0.3014,
0.4052

 88.6201, 0.3050,
0.3777

 93.5852, 0.3086,
0.3531

 99.3093, 0.3123,
0.3313

 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.



72.7729, 0.4005, 0.5415



72.7729, 0.2931, 0.5534



72.7729, 0.1959, 0.4454

Triad

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



72.7729, 0.2931, 0.5534



72.7729, 0.1402, 0.1658



72.7729, 0.5229, 0.3065

Complementary

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



72.7729, 0.2931, 0.5534



28.5633, 0.3581, 0.1852

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.



72.7729, 0.4190, 0.2389



72.7729, 0.2931, 0.5534



72.7729, 0.1944, 0.1623

Square

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



72.7729, 0.2931, 0.5534



72.7729, 0.1216, 0.2057



72.7729, 0.2911, 0.1878



72.7729, 0.5465, 0.3816

Rectangle

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



72.7729, 0.2931, 0.5534



72.7729, 0.1517, 0.3442



72.7729, 0.2911, 0.1878



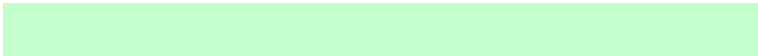
72.7729, 0.4955, 0.2829

Sweetspot

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



72.7754, 0.2931, 0.5534



87.3271, 0.3039, 0.3854



87.0320, 0.3900, 0.5146



18.3666, 0.3026, 0.3951



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.



72.7754, 0.2931, 0.5534



71.7933, 0.2959, 0.5833



75.6989, 0.2544, 0.4200



20.2180, 0.3092, 0.3494



37.4760, 0.2959, 0.5852



3.6622, 0.2909, 0.5672

Inverse Universe

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



28.5633, 0.3581, 0.1852



26.2499, 0.3679, 0.1809



24.6719, 0.5091, 0.2759



18.2448, 0.3164, 0.3095



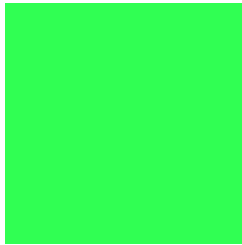
13.6146, 0.3688, 0.1805



1.3389, 0.3624, 0.1770

Previews

White Background



This preview shows how the Yxy color 72.7729, 0.2931, 0.5534 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 72.7729, 0.2931, 0.5534 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 72.7729, 0.2931, 0.5534

Background



This preview shows how black text looks on a background with the Yxy color 72.7729, 0.2931, 0.5534.

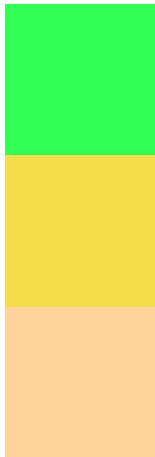


This preview shows how white text looks on a background with the Yxy color 72.7729, 0.2931, 0.5534.

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

72.7729, 0.2931, 0.5534

Protanopia

71.0799, 0.4236, 0.4671

Deuteranopia

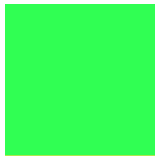
70.6801, 0.3885, 0.3888



Tritanopia

72.0735, 0.2418, 0.3077

Trichromacy



Original Color

72.7729, 0.2931, 0.5534



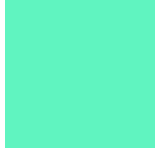
Protanomaly

67.6979, 0.3588, 0.5091



Deuteranomaly

66.7486, 0.3413, 0.4514



Tritanomaly

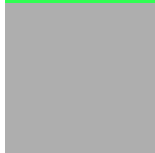
70.9939, 0.2611, 0.3971

Monochromacy



Original Color

72.7729, 0.2931, 0.5534



Achromatopsia

42.3268, 0.3127, 0.3290



Achromatomaly

49.2242, 0.2993, 0.4202

CSS Examples

Text

The CSS property to change the color of the text to Yxy 72.7729, 0.2931, 0.5534 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(48, 255, 83)` looks like.

```
.text, #text, p{  
    color:rgb(48, 255, 83)  
}
```

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(48, 255, 83) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(48, 255, 83) }
```

Border

The CSS property to change the border of an element to Yxy 72.7729, 0.2931, 0.5534 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(48, 255, 83) }
```

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

```
.border{ border-color:rgb(48, 255, 83) }
```

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

Here you see how a box with a 4 pixel `rgb(48, 255, 83)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(48, 255, 83); -webkit-box-  
shadow:4px 4px 4px 4px rgb(48, 255, 83);  
box-shadow:4px 4px 4px 4px rgb(48, 255,  
83) }
```


Background

The CSS property to change the background color of an element to Yxy 72.7729, 0.2931, 0.5534 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(48, 255, 83) }
```

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

```
.background{ background-color: rgb(48, 255,  
83) }
```

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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