

Converting Colors

$Y_{xy}(72.2136, 0.2903, 0.5604)$

Have a look what the booklet for
Yxy(72.2136, 0.2903, 0.5604)
contains.

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Color

Yxy(72.1987, 0.2904, 0.5607)

Conversions

Conversions Part 1

Format	Color
Hex	13FF4E
RGB	19, 255, 78
RGB Percent	7%, 100%, 31%
CMY	0.9270, 0.0000, 0.6941
CMYK	0.93, 0.00, 0.69, 0.00
HSL	135°, 100%, 54%
HSV	135°, 93%, 100%
XYZ	37.3934, 72.1987, 19.1732
YIQ	164.2580, -83.8390, -105.0790

Conversions

Conversions Part 2

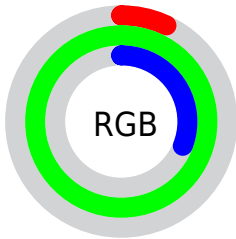
Format	Color
RYB	19, 208, 255
Decimal	1310542
CIELab	88.06, -82.18, 67.32
CIELCh	88, 106.234, 140.676
Yxy	72.1987, 0.2904, 0.5607
Android (android.graphics.Color)	4279500622 (0xFF13FF4E)
YUV	164.2580, -42.5252, -127.3913
Hunter-Lab	84.9698, -70.1431, 46.1003

Details

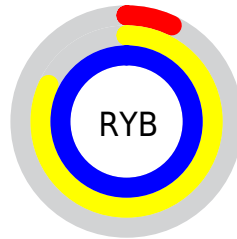
The Yxy color **72.1987, 0.2904, 0.5607** is a dark color, and the websafe version is hex **00FF33**. The color can be described as dark washed green. A complement of this color would be **25.6800, 0.3913, 0.1956**, and the grayscale version is **37.4326, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.3342, 0.2989, 0.4813**, and **39.4799, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **71.8877, 0.2926, 0.5734**, and if you desaturate by 10%, it is **72.9200, 0.2881, 0.5392**.

Distribution



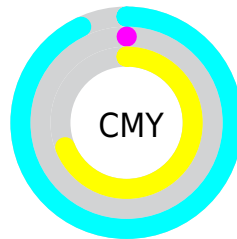
- Red (7%)
- Green (100%)
- Blue (31%)



- Red (7%)
- Yellow (82%)
- Blue (100%)



- Cyan (93%)
- Magenta (0%)
- Yellow (69%)
- Black (0%)





- Cyan (93%)
- Magenta (0%)
- Yellow (69%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 72.1987, 0.2904, 0.5607 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 72.1987, 0.2904, 0.5607 by changing the saturation by 10% instead.


 72.1987, 0.2904,
0.5607


 72.1987, 0.2904,
0.5607


468.2329, 0.3095,
0.4441


 53.3210, 0.2834,
0.5884

 122.3390, 0.2991,
0.5191


 38.0591, 0.2735,
0.6224


 154.3704, 0.3018,
0.5031

 26.0286, 0.2587,
0.6648


 191.5551, 0.3039,
0.4896

 16.8450, 0.2362,
0.7172

 234.2776, 0.3056,
0.4779

 10.1240, 0.2050,
0.7950

 282.9222, 0.3069,
0.4677

 5.4813, 0.1479,
0.8521

337.8734, 0.3079,

 2.5323, 0.0000,

0.4589

1.0000

399.5155, 0.3088,
0.4510

■ 0.8928, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 72.1987, 0.2904,
0.5607

■ 72.1987, 0.2904,
0.5607

■ 71.8877, 0.2926,
0.5734

■ 72.9200, 0.2881,
0.5392


■ 74.0704, 0.2873,
0.5137


■ 75.7137, 0.2879,
0.4857

■ 77.9004, 0.2900,
0.4568

 80.6746, 0.2932,
0.4284

 84.0757, 0.2972,
0.4013

 88.1399, 0.3018,
0.3764

 92.9003, 0.3066,
0.3539

 98.3879, 0.3114,
0.3340

Harmonies

Analogous

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



72.1987, 0.4001, 0.5470



72.1987, 0.2904, 0.5607



72.1987, 0.1916, 0.4480

Triad

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



72.1987, 0.2904, 0.5607



72.1987, 0.1369, 0.1619



72.1987, 0.5296, 0.3057

Complementary

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



72.1987, 0.2904, 0.5607



25.6800, 0.3913, 0.1956

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.



72.1987, 0.4231, 0.2371



72.1987, 0.2904, 0.5607



72.1987, 0.1921, 0.1589

Square

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



72.1987, 0.2904, 0.5607



72.1987, 0.1177, 0.2017



72.1987, 0.2912, 0.1850



72.1987, 0.5520, 0.3818

Rectangle

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



72.1987, 0.2904, 0.5607



72.1987, 0.1472, 0.3428



72.1987, 0.2912, 0.1850



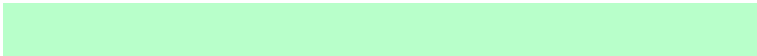
72.1987, 0.5017, 0.2818

Sweetspot

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



72.2017, 0.2904, 0.5607



85.9034, 0.2993, 0.3894



83.2852, 0.3770, 0.5357



18.0269, 0.2974, 0.4003



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.



72.2017, 0.2904, 0.5607



71.8909, 0.2926, 0.5734



75.6326, 0.2472, 0.4067



20.2430, 0.3081, 0.3473



37.5845, 0.2919, 0.5708



3.6761, 0.2860, 0.5496

Inverse Universe

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



25.6800, 0.3913, 0.1956



25.0188, 0.3985, 0.1969



22.2582, 0.5766, 0.2996



18.2178, 0.3177, 0.3114



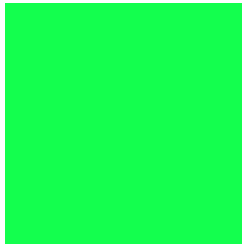
13.0981, 0.3969, 0.1960



1.2928, 0.3863, 0.1902

Previews

White Background



This preview shows how the Yxy color 72.1987, 0.2904, 0.5607 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 72.1987, 0.2904, 0.5607 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 72.1987, 0.2904, 0.5607

Background



This preview shows how black text looks on a background with the Yxy color 72.1987, 0.2904, 0.5607.

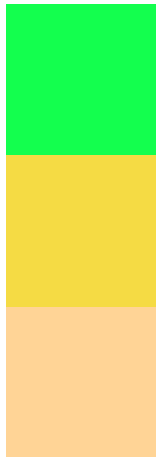


This preview shows how white text looks on a background with the Yxy color 72.1987, 0.2904, 0.5607.

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

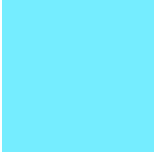
72.2085, 0.2904, 0.5607

Protanopia

70.4929, 0.4262, 0.4693

Deuteranopia

70.5490, 0.3914, 0.3928



Tritanopia

71.5703, 0.2392, 0.3075

Trichromacy



Original Color

72.2085, 0.2904, 0.5607



Protanomaly

65.9676, 0.3537, 0.5171



Deuteranomaly

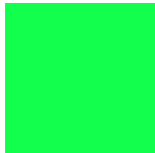
65.3771, 0.3355, 0.4595



Tritanomaly

70.2123, 0.2568, 0.3993

Monochromacy



Original Color

72.2085, 0.2904, 0.5607



Achromatopsia

37.1238, 0.3127, 0.3290



Achromatomaly

45.0055, 0.2929, 0.4286

CSS Examples

Text

The CSS property to change the color of the text to Yxy 72.1987, 0.2904, 0.5607 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(19, 255, 78)` looks like.

```
.text, #text, p{  
    color:rgb(19, 255, 78)  
}
```

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(19, 255, 78) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(19, 255, 78) }
```

Border

The CSS property to change the border of an element to Yxy 72.1987, 0.2904, 0.5607 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(19, 255, 78) }
```

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

```
.border{ border-color:rgb(19, 255, 78) }
```

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

Here you see how a box with a 4 pixel `rgb(19, 255, 78)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(19, 255, 78); -webkit-box-  
shadow:4px 4px 4px 4px rgb(19, 255, 78);  
box-shadow:4px 4px 4px 4px rgb(19, 255,  
78) }
```


Background

The CSS property to change the background color of an element to Yxy 72.1987, 0.2904, 0.5607 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(19, 255, 78) }
```

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

```
.background{ background-color: rgb(19, 255,  
78) }
```

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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