

Converting Colors

$Y_{xy}(72.0127, 0.2962, 0.5784)$

Have a look what the booklet for
Yxy(72.0127, 0.2962, 0.5784)
contains.

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Color

Yxy(72.0154, 0.2963, 0.5786)

Conversions

Conversions Part 1

Format	Color
Hex	1AFF37
RGB	26, 255, 55
RGB Percent	10%, 100%, 22%
CMY	0.8973, 0.0000, 0.7843
CMYK	0.90, 0.00, 0.78, 0.00
HSL	128°, 100%, 55%
HSV	128°, 90%, 100%
XYZ	36.8790, 72.0154, 15.5706
YIQ	163.7290, -72.2840, -110.7480

Conversions

Conversions Part 2

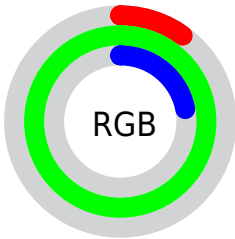
Format	Color
RYB	26, 229, 255
Decimal	1769271
CIELab	87.98, -83.49, 74.68
CIELCh	88, 112.017, 138.187
Yxy	72.0154, 0.2963, 0.5786
Android (android.graphics.Color)	4279959351 (0xFF1AFF37)
YUV	163.7290, -53.6034, -120.7883
Hunter-Lab	84.8619, -70.9365, 48.5247

Details

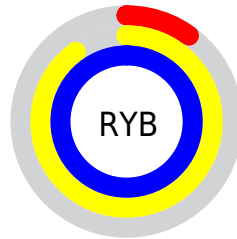
The Yxy color **72.0154, 0.2963, 0.5786** is a dark color, and the websafe version is hex **00FF33**. The color can be described as dark washed green. A complement of this color would be **27.5077, 0.3519, 0.1748**, and the grayscale version is **37.3020, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.0153, 0.3074, 0.5022**, and **39.4799, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **71.6326, 0.2978, 0.5919**, and if you desaturate by 10%, it is **72.7817, 0.2954, 0.5582**.

Distribution



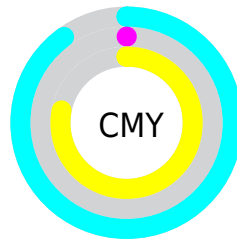
- Red (10%)
- Green (100%)
- Blue (22%)



- Red (10%)
- Yellow (90%)
- Blue (100%)



- Cyan (90%)
- Magenta (0%)
- Yellow (78%)
- Black (0%)





- Cyan (90%)
- Magenta (0%)
- Yellow (78%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 72.0154, 0.2963, 0.5786 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 72.0154, 0.2963, 0.5786 by changing the saturation by 10% instead.


 72.0154, 0.2963,
0.5786


 72.0154, 0.2963,
0.5786


467.5952, 0.3146,
0.4538

 53.1713, 0.2889,
0.6075

 122.0784, 0.3052,
0.5345

 37.9395, 0.2781,
0.6425


 154.0661, 0.3079,
0.5175


 25.9357, 0.2619,
0.6850


 191.2037, 0.3099,
0.5030

 16.7756, 0.2376,
0.7376

 233.8757, 0.3114,
0.4904

 10.0746, 0.2003,
0.7997

 282.4665, 0.3125,
0.4795

 5.4485, 0.1427,
0.8573

337.3604, 0.3134,

 2.5127, 0.0000,

0.4699

1.0000

398.9418, 0.3141,
0.4614

■ 0.8830, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 72.0154, 0.2963,
0.5786

■ 72.0154, 0.2963,
0.5786

■ 71.6326, 0.2978,
0.5919

■ 72.7817, 0.2954,
0.5582

■ 71.6249, 0.2978,
0.5922

■ 74.0174, 0.2954,
0.5317


■ 75.7868, 0.2964,
0.5011

■ 78.1419, 0.2982,
0.4685

 81.1286, 0.3007,
0.4360

 84.7881, 0.3036,
0.4050

 89.1584, 0.3066,
0.3765

 94.2743, 0.3098,
0.3510

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.



72.0154, 0.4098, 0.5501



72.0154, 0.2963, 0.5786



72.0154, 0.1922, 0.4691

Triad

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



72.0154, 0.2963, 0.5786



72.0154, 0.1275, 0.1570



72.0154, 0.5346, 0.2968

Complementary

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



72.0154, 0.2963, 0.5786



27.5077, 0.3519, 0.1748

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.



72.0154, 0.4170, 0.2275



72.0154, 0.2963, 0.5786



72.0154, 0.1805, 0.1516

Square

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



72.0154, 0.2963, 0.5786



72.0154, 0.1105, 0.2009



72.0154, 0.2793, 0.1760



72.0154, 0.5641, 0.3738

Rectangle

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



72.0154, 0.2963, 0.5786



72.0154, 0.1441, 0.3557



72.0154, 0.2793, 0.1760



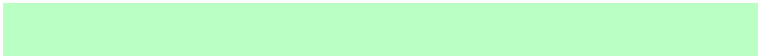
72.0154, 0.5029, 0.2726

Sweetspot

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



72.0179, 0.2963, 0.5786



85.9100, 0.3044, 0.3970



88.1393, 0.3988, 0.5167



18.0899, 0.3034, 0.4071



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.



72.0179, 0.2963, 0.5786



71.6249, 0.2978, 0.5922



74.5427, 0.2593, 0.4476



20.2054, 0.3098, 0.3504



37.4371, 0.2974, 0.5906



3.6563, 0.2931, 0.5751

Inverse Universe

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



27.5077, 0.3519, 0.1748



26.5813, 0.3562, 0.1736



23.2195, 0.5198, 0.2704



18.2587, 0.3157, 0.3085



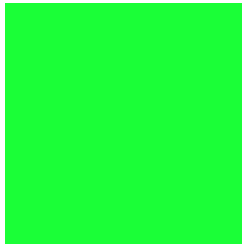
13.9048, 0.3556, 0.1732



1.3644, 0.3510, 0.1708

Previews

White Background



This preview shows how the Yxy color 72.0154, 0.2963, 0.5786 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 72.0154, 0.2963, 0.5786 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

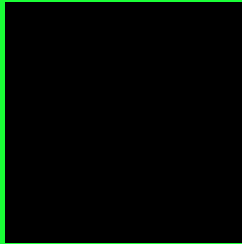
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 72.0154, 0.2963, 0.5786

Background



This preview shows how black text looks on a background with the Yxy color 72.0154, 0.2963, 0.5786.

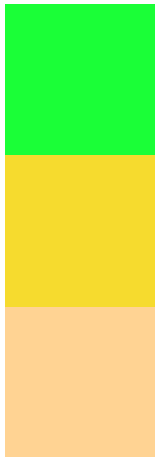


This preview shows how white text looks on a background with the Yxy color 72.0154, 0.2963, 0.5786.

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

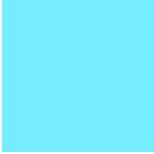
72.0154, 0.2963, 0.5786

Protanopia

70.4531, 0.4339, 0.4789

Deuteranopia

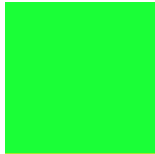
69.9551, 0.3939, 0.3948



Tritanopia

71.5703, 0.2392, 0.3075

Trichromacy



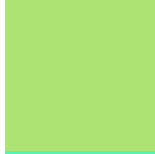
Original Color

72.0154, 0.2963, 0.5786



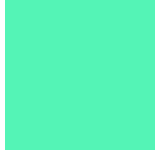
Protanomaly

66.0420, 0.3627, 0.5307



Deuteranomaly

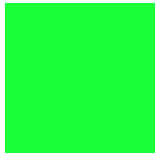
64.9237, 0.3434, 0.4691



Tritanomaly

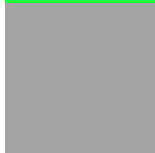
69.9636, 0.2617, 0.4120

Monochromacy



Original Color

72.0154, 0.2963, 0.5786



Achromatopsia

37.1238, 0.3127, 0.3290



Achromatomaly

44.9651, 0.3005, 0.4424

CSS Examples

Text

The CSS property to change the color of the text to Yxy 72.0154, 0.2963, 0.5786 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(26, 255, 55)` looks like.

```
.text, #text, p{  
    color:rgb(26, 255, 55)  
}
```

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(26, 255, 55) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(26, 255, 55) }
```

Border

The CSS property to change the border of an element to Yxy 72.0154, 0.2963, 0.5786 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(26, 255, 55) }
```

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

```
.border{ border-color:rgb(26, 255, 55) }
```

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

Here you see how a box with a 4 pixel `rgb(26, 255, 55)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(26, 255, 55); -webkit-box-  
shadow:4px 4px 4px 4px rgb(26, 255, 55);  
box-shadow:4px 4px 4px 4px rgb(26, 255,  
55) }
```


Background

The CSS property to change the background color of an element to Yxy 72.0154, 0.2963, 0.5786 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(26, 255, 55) }
```

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

```
.background{ background-color: rgb(26, 255,  
55) }
```

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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