

Converting Colors

$Y_{xy}(72.2280, 0.2932, 0.5664)$

Have a look what the booklet for
Yxy(72.2280, 0.2932, 0.5664)
contains.

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Color

Yxy(72.2361, 0.2932, 0.5662)

Conversions

Conversions Part 1

Format	Color
Hex	1DFF47
RGB	29, 255, 71
RGB Percent	11%, 100%, 28%
CMY	0.8859, 0.0000, 0.7214
CMYK	0.89, 0.00, 0.72, 0.00
HSL	131°, 100%, 56%
HSV	131°, 89%, 100%
XYZ	37.4066, 72.2361, 17.9378
YIQ	166.4500, -75.6320, -105.1360

Conversions

Conversions Part 2

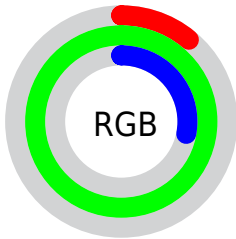
Format	Color
R _Y B	29, 220, 255
Decimal	1965895
CIE Lab	88.08, -82.21, 69.81
CIE LCh	88, 107.857, 139.664
Yxy	72.2361, 0.2932, 0.5662
Android (android.graphics.Color)	4280155975 (0xFF1DFF47)
YUV	166.4500, -47.0568, -120.5436
Hunter-Lab	84.9918, -70.1742, 46.9809

Details

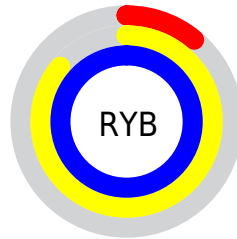
The Yxy color **72.2361, 0.2932, 0.5662** is a dark color, and the websafe version is hex **33FF33**. The color can be described as dark washed green. A complement of this color would be **26.9498, 0.3678, 0.1846**, and the grayscale version is **38.6382, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.3901, 0.3029, 0.4880**, and **39.4799, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **71.7758, 0.2955, 0.5828**, and if you desaturate by 10%, it is **73.0899, 0.2918, 0.5436**.

Distribution



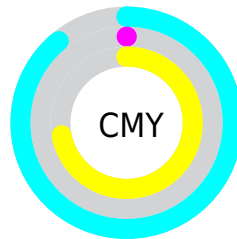
- Red (11%)
- Green (100%)
- Blue (28%)



- Red (11%)
- Yellow (86%)
- Blue (100%)



- Cyan (89%)
- Magenta (0%)
- Yellow (72%)
- Black (0%)





- Cyan (89%)
- Magenta (0%)
- Yellow (72%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 72.2361, 0.2932, 0.5662 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 72.2361, 0.2932, 0.5662 by changing the saturation by 10% instead.


 72.2361, 0.2932,
0.5662

 72.2361, 0.2932,
0.5662


468.3630, 0.3116,
0.4471


 53.3516, 0.2862,
0.5942


 122.3921, 0.3018,
0.5238


 38.0835, 0.2761,
0.6285


 154.4324, 0.3045,
0.5076


 26.0475, 0.2610,
0.6709


 191.6268, 0.3065,
0.4937

 16.8592, 0.2380,
0.7228

 234.3596, 0.3080,
0.4818

 10.1341, 0.2050,
0.7950

 283.0152, 0.3093,
0.4714

 5.4880, 0.1479,
0.8521


337.9780, 0.3102,

 2.5363, 0.0000,


0.4623


1.0000

399.6325, 0.3110,
0.4543


 0.8948, 0.0000,
1.0000


 0.0000, 0.0000,
0.0000


 72.2361, 0.2932,
0.5662


 72.2361, 0.2932,
0.5662

 71.7758, 0.2955,
0.5828

 73.0899, 0.2918,
0.5436


 71.7281, 0.2958,
0.5847


 74.4119, 0.2917,
0.5164


 76.2617, 0.2928,
0.4864

 78.6887, 0.2950,
0.4554

 81.7365, 0.2980,
0.4251

 85.4445, 0.3016,
0.3965

 89.8485, 0.3054,
0.3703

 94.9822, 0.3094,
0.3469

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.



72.2361, 0.4039, 0.5474



72.2361, 0.2932, 0.5662



72.2361, 0.1926, 0.4553

Triad

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



72.2361, 0.2932, 0.5662



72.2361, 0.1339, 0.1608



72.2361, 0.5303, 0.3025

Complementary

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



72.2361, 0.2932, 0.5662



26.9498, 0.3678, 0.1846

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.



72.2361, 0.4201, 0.2338



72.2361, 0.2932, 0.5662



72.2361, 0.1881, 0.1567

Square

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



72.2361, 0.2932, 0.5662



72.2361, 0.1156, 0.2021



72.2361, 0.2867, 0.1821



72.2361, 0.5556, 0.3788

Rectangle

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



72.2361, 0.2932, 0.5662



72.2361, 0.1469, 0.3478



72.2361, 0.2867, 0.1821



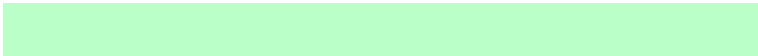
72.2361, 0.5011, 0.2785

Sweetspot

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



72.2379, 0.2932, 0.5662



86.0984, 0.3022, 0.3921



85.8426, 0.3882, 0.5240



18.1332, 0.3009, 0.4015



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.



72.2379, 0.2932, 0.5662



71.7281, 0.2958, 0.5847



75.2207, 0.2531, 0.4243



20.2233, 0.3090, 0.3489



37.4952, 0.2952, 0.5826



3.6648, 0.2899, 0.5638

Inverse Universe

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



26.9498, 0.3678, 0.1846



25.7969, 0.3755, 0.1842



23.0754, 0.5404, 0.2833



18.2391, 0.3167, 0.3099



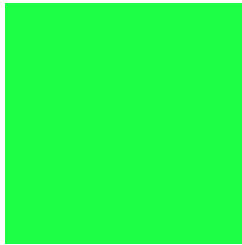
13.5002, 0.3744, 0.1836



1.3288, 0.3672, 0.1796

Previews

White Background



This preview shows how the Yxy color 72.2361, 0.2932, 0.5662 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 72.2361, 0.2932, 0.5662 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 72.2361, 0.2932, 0.5662

Background



This preview shows how black text looks on a background with the Yxy color 72.2361, 0.2932, 0.5662.

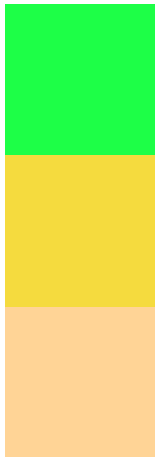


This preview shows how white text looks on a background with the Yxy color 72.2361, 0.2932, 0.5662.

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

72.2361, 0.2932, 0.5662

Protanopia

70.4233, 0.4284, 0.4724

Deuteranopia

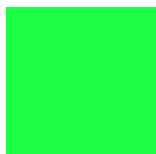
70.5490, 0.3914, 0.3928



Tritanopia

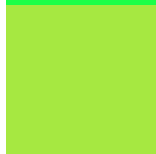
71.6399, 0.2396, 0.3075

Trichromacy



Original Color

72.2361, 0.2932, 0.5662



Protanomaly

66.2019, 0.3582, 0.5208



Deuteranomaly

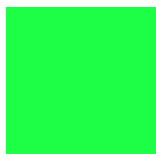
65.7515, 0.3401, 0.4617



Tritanomaly

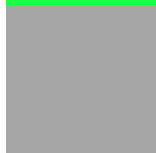
70.3106, 0.2596, 0.4033

Monochromacy



Original Color

72.2361, 0.2932, 0.5662



Achromatopsia

38.1326, 0.3127, 0.3290



Achromatomaly

45.7399, 0.2975, 0.4320

CSS Examples

Text

The CSS property to change the color of the text to Yxy 72.2361, 0.2932, 0.5662 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(29, 255, 71)` looks like.

```
.text, #text, p{  
    color:rgb(29, 255, 71)  
}
```

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(29, 255, 71) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(29, 255, 71) }
```

Border

The CSS property to change the border of an element to Yxy 72.2361, 0.2932, 0.5662 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(29, 255, 71) }
```

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

```
.border{ border-color:rgb(29, 255, 71) }
```

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

Here you see how a box with a 4 pixel `rgb(29, 255, 71)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(29, 255, 71); -webkit-box-  
shadow:4px 4px 4px 4px rgb(29, 255, 71);  
box-shadow:4px 4px 4px 4px rgb(29, 255,  
71) }
```


Background

The CSS property to change the background color of an element to Yxy 72.2361, 0.2932, 0.5662 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(29, 255, 71) }
```

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

```
.background{ background-color: rgb(29, 255,  
71) }
```

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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