

Converting Colors

$Yxy(72.1343, 0.2909, 0.5634)$

Have a look what the booklet for
Yxy(72.1343, 0.2909, 0.5634)
contains.

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Color

Yxy(72.1382, 0.2910, 0.5636)

Conversions

Conversions Part 1

Format	Color
Hex	10FF4B
RGB	16, 255, 75
RGB Percent	6%, 100%, 29%
CMY	0.9360, 0.0000, 0.7060
CMYK	0.94, 0.00, 0.71, 0.00
HSL	135°, 100%, 53%
HSV	135°, 94%, 100%
XYZ	37.2467, 72.1382, 18.6105
YIQ	163.0190, -84.6640, -106.6480

Conversions

Conversions Part 2

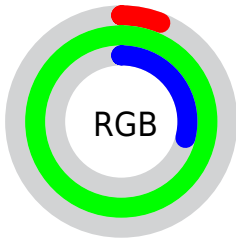
Format	Color
R_{YB}	16, 208, 255
Decimal	1113931
CIE Lab	88.04, -82.53, 68.38
CIE LCh	88, 107.180, 140.359
Yxy	72.1382, 0.2910, 0.5636
Android (android.graphics.Color)	4279304011 (0xFF10FF4B)
YUV	163.0190, -43.3934, -128.9357
Hunter-Lab	84.9342, -70.3563, 46.4625

Details

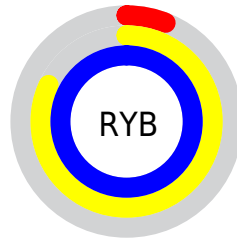
The Yxy color **72.1382, 0.2910, 0.5636** is a dark color, and the websafe version is hex **00FF33**. The color can be described as dark washed green. A complement of this color would be **25.6417, 0.3904, 0.1946**, and the grayscale version is **36.9200, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.2065, 0.2993, 0.4840**, and **39.4799, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **71.8751, 0.2929, 0.5745**, and if you desaturate by 10%, it is **72.8202, 0.2886, 0.5426**.

Distribution



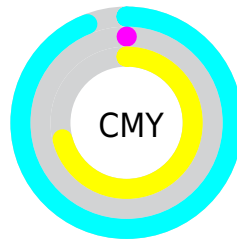
- Red (6%)
- Green (100%)
- Blue (29%)



- Red (6%)
- Yellow (82%)
- Blue (100%)



- Cyan (94%)
- Magenta (0%)
- Yellow (71%)
- Black (0%)




- Cyan (94%)
- Magenta (0%)
- Yellow (71%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 72.1382, 0.2910, 0.5636 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 72.1382, 0.2910, 0.5636 by changing the saturation by 10% instead.


 72.1382, 0.2910,
0.5636


 72.1382, 0.2910,
0.5636


468.0225, 0.3101,
0.4456

 53.2716, 0.2840,
0.5915


 122.2530, 0.2997,
0.5215


 38.0196, 0.2738,
0.6258


 154.2700, 0.3025,
0.5054


 25.9979, 0.2588,
0.6683


 191.4392, 0.3046,
0.4917

 16.8221, 0.2360,
0.7208

 234.1450, 0.3063,
0.4798

 10.1077, 0.2037,
0.7963

 282.7718, 0.3076,
0.4696

 5.4704, 0.1464,
0.8536


337.7041, 0.3086,


 2.5258, 0.0000,


0.4606


1.0000


399.3262, 0.3094,
0.4526


 0.8895, 0.0000,
1.0000


 0.0000, 0.0000,
0.0000


 72.1382, 0.2910,
0.5636


 72.1382, 0.2910,
0.5636

 71.8751, 0.2929,
0.5745

 72.8202, 0.2886,
0.5426


 73.9267, 0.2877,
0.5174


 75.5221, 0.2882,
0.4895


 77.6578, 0.2901,
0.4604

 80.3786, 0.2932,
0.4317

 83.7244, 0.2971,
0.4043

 87.7316, 0.3015,
0.3790

 92.4337, 0.3062,
0.3561

 97.8621, 0.3110,
0.3357

Harmonies

Analogous

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



72.1382, 0.4014, 0.5479



72.1382, 0.2910, 0.5636



72.1382, 0.1914, 0.4508

Triad

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



72.1382, 0.2910, 0.5636



72.1382, 0.1354, 0.1610



72.1382, 0.5308, 0.3045

Complementary

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



72.1382, 0.2910, 0.5636



25.6417, 0.3904, 0.1946

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.



72.1382, 0.4226, 0.2357



72.1382, 0.2910, 0.5636



72.1382, 0.1904, 0.1577

Square

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



72.1382, 0.2910, 0.5636



72.1382, 0.1165, 0.2013



72.1382, 0.2897, 0.1836



72.1382, 0.5540, 0.3808

Rectangle

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



72.1382, 0.2910, 0.5636



72.1382, 0.1465, 0.3443



72.1382, 0.2897, 0.1836



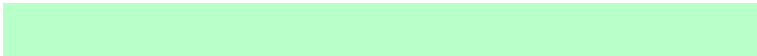
72.1382, 0.5023, 0.2805

Sweetspot

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



72.1405, 0.2910, 0.5636



85.8849, 0.2995, 0.3898



83.7426, 0.3795, 0.5342



18.0226, 0.2976, 0.4009



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.



72.1405, 0.2910, 0.5636



71.8751, 0.2929, 0.5745



75.4101, 0.2489, 0.4132



20.2414, 0.3082, 0.3474



37.5759, 0.2922, 0.5719



3.6751, 0.2864, 0.5509

Inverse Universe

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



25.6417, 0.3904, 0.1946



25.0810, 0.3965, 0.1958



22.2188, 0.5739, 0.2974



18.2196, 0.3176, 0.3112



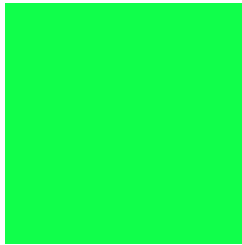
13.1303, 0.3950, 0.1949



1.2957, 0.3847, 0.1893

Previews

White Background



This preview shows how the Yxy color 72.1382, 0.2910, 0.5636 looks on a white background.

Color Contrast Check

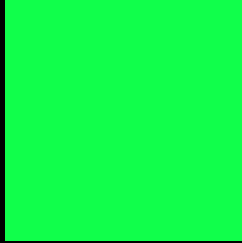
Large Text (above 18pt) WCAG AA × Fail

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 72.1382, 0.2910, 0.5636 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 72.1382, 0.2910, 0.5636

Background



This preview shows how black text looks on a background with the Yxy color 72.1382, 0.2910, 0.5636.

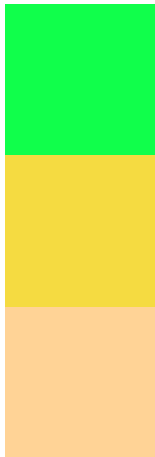


This preview shows how white text looks on a background with the Yxy color 72.1382, 0.2910, 0.5636.

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

72.1382, 0.2910, 0.5636

Protanopia

70.4572, 0.4273, 0.4709

Deuteranopia

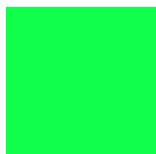
70.0505, 0.3918, 0.3918



Tritanopia

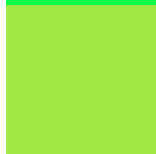
71.5703, 0.2392, 0.3075

Trichromacy



Original Color

72.1382, 0.2910, 0.5636



Protanomaly

65.8243, 0.3540, 0.5198



Deuteranomaly

64.6931, 0.3356, 0.4600



Tritanomaly

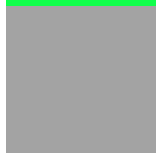
70.1245, 0.2569, 0.4008

Monochromacy



Original Color

72.1382, 0.2910, 0.5636



Achromatopsia

36.6253, 0.3127, 0.3290



Achromatomaly

44.4335, 0.2934, 0.4307

CSS Examples

Text

The CSS property to change the color of the text to Yxy 72.1382, 0.2910, 0.5636 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(16, 255, 75)` looks like.

```
.text, #text, p{  
    color:rgb(16, 255, 75)  
}
```

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(16, 255, 75) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(16, 255, 75) }
```

Border

The CSS property to change the border of an element to Yxy 72.1382, 0.2910, 0.5636 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(16, 255, 75) }
```

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

```
.border{ border-color:rgb(16, 255, 75) }
```

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

Here you see how a box with a 4 pixel `rgb(16, 255, 75)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(16, 255, 75); -webkit-box-  
shadow:4px 4px 4px 4px rgb(16, 255, 75);  
box-shadow:4px 4px 4px 4px rgb(16, 255,  
75) }
```


Background

The CSS property to change the background color of an element to Yxy 72.1382, 0.2910, 0.5636 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(16, 255, 75) }
```

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

```
.background{ background-color: rgb(16, 255,  
75) }
```

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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