

Converting Colors

$Y_{xy}(72.0561, 0.2953, 0.5753)$

Have a look what the booklet for
Yxy(72.0561, 0.2953, 0.5753)
contains.

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Color

Yxy(72.0659, 0.2953, 0.5751)

Conversions

Conversions Part 1

Format	Color
Hex	1AFF3C
RGB	26, 255, 60
RGB Percent	10%, 100%, 24%
CMY	0.8977, 0.0000, 0.7645
CMYK	0.90, 0.00, 0.76, 0.00
HSL	129°, 100%, 55%
HSV	129°, 90%, 100%
XYZ	37.0041, 72.0659, 16.2402
YIQ	164.2990, -73.8890, -109.1930

Conversions

Conversions Part 2

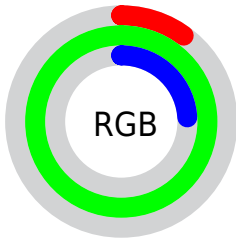
Format	Color
RYB	26, 225, 255
Decimal	1769276
CIELab	88.00, -83.18, 73.25
CIELCh	88, 110.833, 138.634
Yxy	72.0659, 0.2953, 0.5751
Android (android.graphics.Color)	4279959356 (0xFF1AFF3C)
YUV	164.2990, -51.4194, -121.2882
Hunter-Lab	84.8916, -70.7526, 48.0817

Details

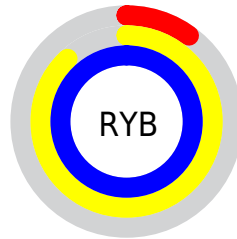
The Yxy color **72.0659, 0.2953, 0.5751** is a dark color, and the websafe version is hex **00FF33**. The color can be described as dark washed green. A complement of this color would be **27.2253, 0.3580, 0.1783**, and the grayscale version is **37.5665, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.0870, 0.3061, 0.4988**, and **39.4799, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **71.6659, 0.2971, 0.5895**, and if you desaturate by 10%, it is **72.8448, 0.2941, 0.5541**.

Distribution



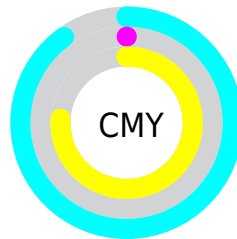
- Red (10%)
- Green (100%)
- Blue (24%)



- Red (10%)
- Yellow (88%)
- Blue (100%)



- Cyan (90%)
- Magenta (0%)
- Yellow (76%)
- Black (0%)




- Cyan (90%)
- Magenta (0%)
- Yellow (76%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 72.0659, 0.2953, 0.5751 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 72.0659, 0.2953, 0.5751 by changing the saturation by 10% instead.


 72.0659, 0.2953,
0.5751


 72.0659, 0.2953,
0.5751


467.7709, 0.3137,
0.4519

 53.2125, 0.2880,
0.6038

 122.1502, 0.3041,
0.5315


 37.9724, 0.2774,
0.6386


 154.1499, 0.3068,
0.5147


 25.9613, 0.2615,
0.6812


 191.3006, 0.3088,
0.5003

 16.7947, 0.2375,
0.7334

 233.9865, 0.3103,
0.4879

 10.0882, 0.2014,
0.7986

 282.5921, 0.3115,
0.4771

 5.4575, 0.1440,
0.8560

337.5017, 0.3124,

 2.5181, 0.0000,

0.4677

1.0000

399.0999, 0.3131,
0.4593

■ 0.8857, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 72.0659, 0.2953,
0.5751

■ 72.0659, 0.2953,
0.5751

■ 71.6659, 0.2971,
0.5895


■ 72.8448, 0.2941,
0.5541

■ 71.6588, 0.2971,
0.5897


■ 74.0904, 0.2940,
0.5274


■ 75.8650, 0.2950,
0.4971

■ 78.2199, 0.2969,
0.4651

 81.2004, 0.2995,
0.4333

 84.8472, 0.3026,
0.4031

 89.1974, 0.3060,
0.3754

 94.2856, 0.3094,
0.3505

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.



72.0659, 0.4080, 0.5495



72.0659, 0.2953, 0.5751



72.0659, 0.1922, 0.4650

Triad

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



72.0659, 0.2953, 0.5751



72.0659, 0.1293, 0.1580



72.0659, 0.5335, 0.2985

Complementary

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



72.0659, 0.2953, 0.5751



27.2253, 0.3580, 0.1783

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.



72.0659, 0.4181, 0.2294



72.0659, 0.2953, 0.5751



72.0659, 0.1827, 0.1530

Square

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



72.0659, 0.2953, 0.5751



72.0659, 0.1119, 0.2011



72.0659, 0.2815, 0.1777



72.0659, 0.5617, 0.3753

Rectangle

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



72.0659, 0.2953, 0.5751



72.0659, 0.1448, 0.3532



72.0659, 0.2815, 0.1777



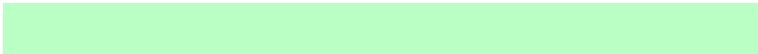
72.0659, 0.5026, 0.2744

Sweetspot

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



72.0675, 0.2953, 0.5751



85.9800, 0.3036, 0.3952



87.5188, 0.3962, 0.5188



18.1060, 0.3024, 0.4050



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.



72.0675, 0.2953, 0.5751



71.6588, 0.2971, 0.5897



74.6835, 0.2578, 0.4422



20.2121, 0.3095, 0.3499



37.4564, 0.2966, 0.5879



3.6594, 0.2919, 0.5709

Inverse Universe

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



27.2253, 0.3580, 0.1783



26.2786, 0.3633, 0.1775



23.1290, 0.5262, 0.2739



18.2513, 0.3161, 0.3090



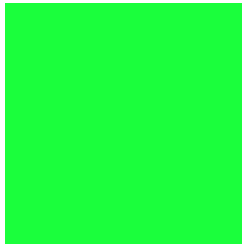
13.7488, 0.3625, 0.1770



1.3507, 0.3570, 0.1740

Previews

White Background



This preview shows how the Yxy color 72.0659, 0.2953, 0.5751 looks on a white background.

Color Contrast Check

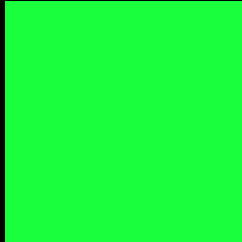
Large Text (above 18pt) WCAG AA × Fail

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 72.0659, 0.2953, 0.5751 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

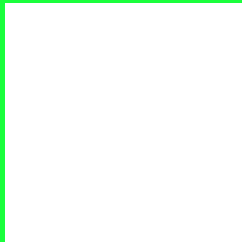
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 72.0659, 0.2953, 0.5751

Background



This preview shows how black text looks on a background with the Yxy color 72.0659, 0.2953, 0.5751.

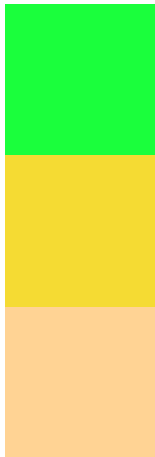


This preview shows how white text looks on a background with the Yxy color 72.0659, 0.2953, 0.5751.

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

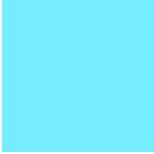
72.0659, 0.2953, 0.5751

Protanopia

70.3145, 0.4318, 0.4775

Deuteranopia

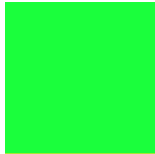
69.9866, 0.3932, 0.3938



Tritanopia

71.5703, 0.2392, 0.3075

Trichromacy



Original Color

72.0659, 0.2953, 0.5751



Protanomaly

65.9789, 0.3607, 0.5284



Deuteranomaly

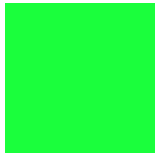
64.9698, 0.3423, 0.4669



Tritanomaly

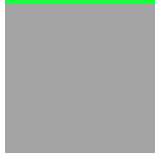
70.0469, 0.2608, 0.4091

Monochromacy



Original Color

72.0659, 0.2953, 0.5751



Achromatopsia

37.1238, 0.3127, 0.3290



Achromatomaly

45.0163, 0.2992, 0.4392

CSS Examples

Text

The CSS property to change the color of the text to Yxy 72.0659, 0.2953, 0.5751 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, 60)` looks like.

```
.text, #text, p{  
    color:rgb(26, 255, 60)  
}
```

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, 60) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(26, 255, 60) }
```

Border

The CSS property to change the border of an element to Yxy 72.0659, 0.2953, 0.5751 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, 60) }
```

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

```
.border{ border-color:rgb(26, 255, 60) }
```

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, 60) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(26, 255, 60); -webkit-box-  
shadow:4px 4px 4px 4px rgb(26, 255, 60);  
box-shadow:4px 4px 4px 4px rgb(26, 255,  
60) }
```


Background

The CSS property to change the background color of an element to Yxy 72.0659, 0.2953, 0.5751 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, 60) }
```

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

```
.background{ background-color: rgb(26, 255,  
60) }
```

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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