

Converting Colors

$Y_{xy}(67.1526, 0.2956, 0.5727)$

Have a look what the booklet for
Yxy(67.1526, 0.2956, 0.5727)
contains.

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Color

Yxy(67.1391, 0.2956, 0.5729)

Conversions

Conversions Part 1

Format	Color
Hex	1FF73C
RGB	31, 247, 60
RGB Percent	12%, 97%, 24%
CMY	0.8784, 0.0314, 0.7646
CMYK	0.87, 0.00, 0.76, 0.03
HSL	128°, 93%, 55%
HSV	128°, 87%, 97%
XYZ	34.6419, 67.1391, 15.4107
YIQ	161.0980, -68.7090, -103.9490

Conversions

Conversions Part 2

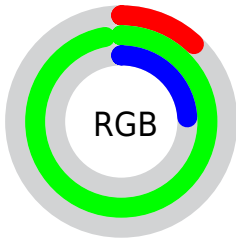
Format	Color
R_{YB}	31, 221, 247
Decimal	2094908
CIE Lab	85.57, -80.66, 70.90
CIE LCh	86, 107.394, 138.686
Yxy	67.1391, 0.2956, 0.5729
Android (android.graphics.Color)	4280284988 (0xFF1FF73C)
YUV	161.0980, -49.8413, -114.0959
Hunter-Lab	81.9385, -67.9262, 46.2059

Details

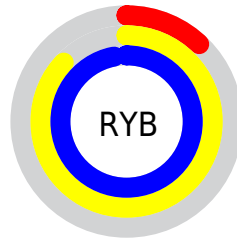
The Yxy color **67.1391, 0.2956, 0.5729** is a dark color, and the websafe version is hex **33FF33**. The color can be described as dark washed green. A complement of this color would be **25.8160, 0.3530, 0.1769**, and the grayscale version is **35.9516, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.0629, 0.3066, 0.4999**, and **36.3952, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **66.7088, 0.2972, 0.5883**, and if you desaturate by 10%, it is **67.9564, 0.2948, 0.5507**.

Distribution



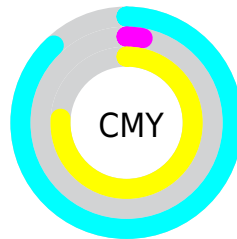
- Red (12%)
- Green (97%)
- Blue (24%)



- Red (12%)
- Yellow (87%)
- Blue (97%)



- Cyan (87%)
- Magenta (0%)
- Yellow (76%)
- Black (3%)





- Cyan (88%)
- Magenta (3%)
- Yellow (76%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 67.1391, 0.2956, 0.5729 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 67.1391, 0.2956, 0.5729 by changing the saturation by 10% instead.

 67.1391, 0.2956,
0.5729

 67.1391, 0.2956,
0.5729


450.4397, 0.3137,
0.4493


 49.1977, 0.2882,
0.6021


 115.1197, 0.3044,
0.5288


 34.7763, 0.2774,
0.6379


 145.9277, 0.3071,
0.5119


 23.4906, 0.2610,
0.6818


 181.7933, 0.3090,
0.4975

 14.9562, 0.2363,
0.7372

 223.1009, 0.3105,
0.4851

 8.7886, 0.1973,
0.8027

 270.2350, 0.3116,
0.4744

 4.6036, 0.1355,
0.8645

323.5799, 0.3125,

 2.0166, 0.0000,

0.4650

1.0000

383.5200, 0.3132,
0.4567

0.6171, 0.0000,
1.0000

0.0000, 0.0000,
0.0000

67.1391, 0.2956,
0.5729

67.1391, 0.2956,
0.5729

66.7088, 0.2972,
0.5883


67.9564, 0.2948,
0.5507


66.6349, 0.2975,
0.5911


69.2221, 0.2950,
0.5230


70.9931, 0.2962,
0.4919


73.3158, 0.2983,
0.4595

 76.2312, 0.3009,
0.4276

 79.7766, 0.3040,
0.3974

 83.9860, 0.3072,
0.3699

 88.8912, 0.3104,
0.3454

 94.5216, 0.3135,
0.3238

Harmonies

Analogous

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



67.1391, 0.4077, 0.5483



67.1391, 0.2956, 0.5729



67.1391, 0.1930, 0.4635

Triad

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



67.1391, 0.2956, 0.5729



67.1391, 0.1303, 0.1590



67.1391, 0.5320, 0.2991

Complementary

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



67.1391, 0.2956, 0.5729



25.8160, 0.3530, 0.1769

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.



67.1391, 0.4176, 0.2301



67.1391, 0.2956, 0.5729



67.1391, 0.1836, 0.1540

Square

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



67.1391, 0.2956, 0.5729



67.1391, 0.1130, 0.2019



67.1391, 0.2820, 0.1787



67.1391, 0.5601, 0.3757

Rectangle

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



67.1391, 0.2956, 0.5729



67.1391, 0.1458, 0.3529



67.1391, 0.2820, 0.1787



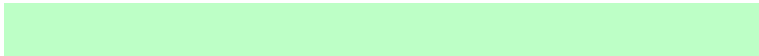
67.1391, 0.5013, 0.2750

Sweetspot

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



67.1419, 0.2956, 0.5729



86.3596, 0.3044, 0.3934



81.5598, 0.3960, 0.5169



18.1771, 0.3033, 0.4035



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.



67.1419, 0.2956, 0.5729



71.6370, 0.2976, 0.5913



69.6352, 0.2575, 0.4387



18.5083, 0.3097, 0.3501



35.2513, 0.2971, 0.5894



3.1093, 0.2921, 0.5714

Inverse Universe

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



25.8160, 0.3530, 0.1769



26.4665, 0.3588, 0.1750



21.8852, 0.5184, 0.2722



16.7277, 0.3159, 0.3088



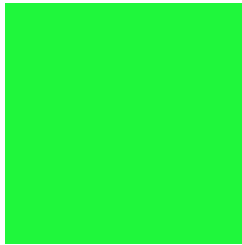
13.0360, 0.3581, 0.1746



1.1561, 0.3527, 0.1717

Previews

White Background



This preview shows how the Yxy color 67.1391, 0.2956, 0.5729 looks on a white background.

Color Contrast Check

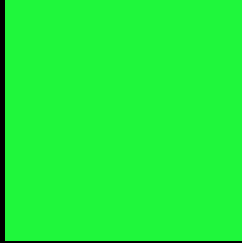
Large Text (above 18pt) WCAG AA × Fail

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 67.1391, 0.2956, 0.5729 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

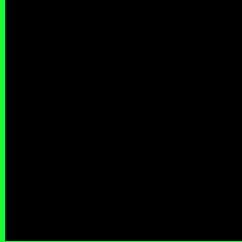
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 67.1391, 0.2956, 0.5729

Background



This preview shows how black text looks on a background with the Yxy color 67.1391, 0.2956, 0.5729.

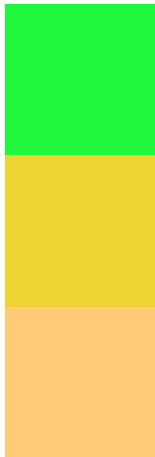


This preview shows how white text looks on a background with the Yxy color 67.1391, 0.2956, 0.5729.

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

67.1391, 0.2956, 0.5729

Protanopia

65.5031, 0.4319, 0.4762

Deuteranopia

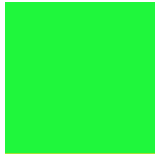
65.3038, 0.4177, 0.4138



Tritanopia

66.4364, 0.2356, 0.3056

Trichromacy



Original Color

67.1391, 0.2956, 0.5729



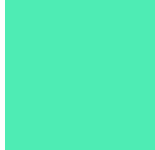
Protanomaly

61.9033, 0.3625, 0.5256



Deuteranomaly

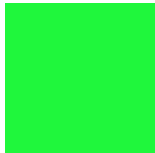
60.5435, 0.3559, 0.4790



Tritanomaly

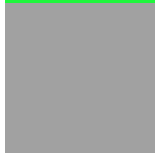
64.9059, 0.2589, 0.4061

Monochromacy



Original Color

67.1391, 0.2956, 0.5729



Achromatopsia

35.6400, 0.3127, 0.3290



Achromatomaly

42.7319, 0.3005, 0.4364

CSS Examples

Text

The CSS property to change the color of the text to Yxy 67.1391, 0.2956, 0.5729 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(31, 247, 60)` looks like.

```
.text, #text, p{  
    color:rgb(31, 247, 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(31, 247, 60) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(31, 247, 60) }
```

Border

The CSS property to change the border of an element to Yxy 67.1391, 0.2956, 0.5729 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(31, 247, 60) }
```

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

```
.border{ border-color:rgb(31, 247, 60) }
```

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

Here you see how a box with a 4 pixel `rgb(31, 247, 60)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(31, 247, 60); -webkit-box-  
shadow:4px 4px 4px 4px rgb(31, 247, 60);  
box-shadow:4px 4px 4px 4px rgb(31, 247,  
60) }
```


Background

The CSS property to change the background color of an element to Yxy 67.1391, 0.2956, 0.5729 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(31, 247, 60) }
```

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

```
.background{ background-color: rgb(31, 247,  
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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