

Converting Colors

$Y_{xy}(75.5992, 0.3291, 0.5689)$

Have a look what the booklet for
Yxy(75.5992, 0.3291, 0.5689)
contains.

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Color

Yxy(75.6120, 0.3291, 0.5687)

Conversions

Conversions Part 1

Format	Color
Hex	78FF1F
RGB	120, 255, 31
RGB Percent	47%, 100%, 12%
CMY	0.5293, 0.0000, 0.8782
CMYK	0.53, 0.00, 0.88, 0.00
HSL	96°, 100%, 56%
HSV	96°, 88%, 100%
XYZ	43.7558, 75.6120, 13.5881
YIQ	189.0990, -8.5560, -98.2840

Conversions

Conversions Part 2

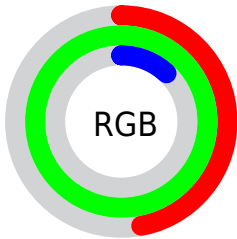
Format	Color
R_{YB}	31, 255, 166
Decimal	7929631
CIE _{Lab}	89.68, -69.44, 82.26
CIE _{LCh}	90, 107.650, 130.170
Yxy	75.6120, 0.3291, 0.5687
Android (android.graphics.Color)	4286119711 (0xFF78FF1F)
YUV	189.0990, -77.9428, -60.5998
Hunter-Lab	86.9552, -62.3505, 51.6036

Details

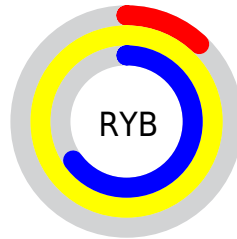
The Yxy color **75.6120, 0.3291, 0.5687** is a dark color, and the websafe version is hex **66FF00**. The color can be described as dark washed chartreuse. A complement of this color would be **16.3151, 0.2339, 0.1113**, and the grayscale version is **51.4152, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.5666, 0.3478, 0.4973**, and **40.4904, 0.3084, 0.5933** is the 20% darker color. If you saturate the color by 10%, you get **74.5143, 0.3237, 0.5801**, and if you desaturate by 10%, it is **76.9945, 0.3330, 0.5509**.

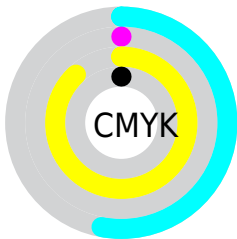
Distribution



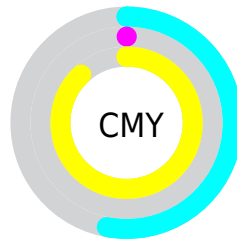
- Red (47%)
- Green (100%)
- Blue (12%)



- Red (12%)
- Yellow (100%)
- Blue (65%)



- Cyan (53%)
- Magenta (0%)
- Yellow (88%)
- Black (0%)





- Cyan (53%)
- Magenta (0%)
- Yellow (88%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 75.6120, 0.3291, 0.5687 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 75.6120, 0.3291, 0.5687 by changing the saturation by 10% instead.


 75.6120, 0.3291,
0.5687


 75.6120, 0.3291,
0.5687


480.0185, 0.3331,
0.4535

 56.1144, 0.3246,
0.5939


 127.1783, 0.3333,
0.5292


 40.2947, 0.3173,
0.6236


 160.0158, 0.3341,
0.5135

 27.7684, 0.3053,
0.6586


 198.0687, 0.3344,
0.5000

 18.1511, 0.2874,
0.7034

 241.7214, 0.3344,
0.4883

 11.0585, 0.2544,
0.7456

 291.3584, 0.3342,
0.4779

 6.1062, 0.2050,
0.7950


347.3640, 0.3339,

 2.9098, 0.1143,


0.4688


0.8857


410.1225, 0.3335,
0.4607


 1.0848, 0.0000,
1.0000


 0.0000, 0.0000,
0.0000


 75.6120, 0.3291,
0.5687


 75.6120, 0.3291,
0.5687


 74.5143, 0.3237,
0.5801


 76.9945, 0.3330,
0.5509


 74.3038, 0.3225,
0.5822


 78.6867, 0.3351,
0.5273

 80.7148, 0.3352,
0.4992

 83.0999, 0.3335,
0.4684

 85.8613, 0.3305,
0.4368

 89.0166, 0.3265,
0.4056

 92.5823, 0.3218,
0.3761

 96.5738, 0.3167,
0.3487

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.



75.6120, 0.4365, 0.5219



75.6120, 0.3291, 0.5687



75.6120, 0.2231, 0.4991

Triad

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



75.6120, 0.3291, 0.5687



75.6120, 0.1267, 0.1712



75.6120, 0.4997, 0.2807

Complementary

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



75.6120, 0.3291, 0.5687



16.3151, 0.2339, 0.1113

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.



75.6120, 0.3758, 0.2165



75.6120, 0.3291, 0.5687



75.6120, 0.1684, 0.1567

Square

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



75.6120, 0.3291, 0.5687



75.6120, 0.1191, 0.2277



75.6120, 0.2515, 0.1729



75.6120, 0.5542, 0.3543

Rectangle

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



75.6120, 0.3291, 0.5687



75.6120, 0.1681, 0.3972



75.6120, 0.2515, 0.1729



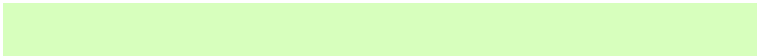
75.6120, 0.4630, 0.2578

Sweetspot

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



75.6139, 0.3291, 0.5687



89.6338, 0.3256, 0.4001



48.4235, 0.4948, 0.4355



18.9361, 0.3272, 0.4107



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.



75.6139, 0.3291, 0.5687



74.3038, 0.3225, 0.5822



72.0736, 0.2972, 0.5792



20.5201, 0.3176, 0.3531



38.9061, 0.3236, 0.5812



3.8495, 0.3324, 0.5743

Inverse Universe

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



16.3151, 0.2339, 0.1113



14.0610, 0.2220, 0.0997



28.1041, 0.3444, 0.1716



17.9193, 0.3074, 0.3051



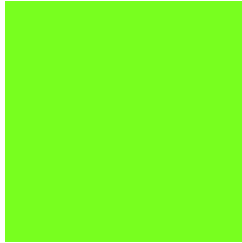
7.4363, 0.2236, 0.1005



0.7875, 0.2344, 0.1065

Previews

White Background



This preview shows how the Yxy color 75.6120, 0.3291, 0.5687 looks on a white background.

Color Contrast Check

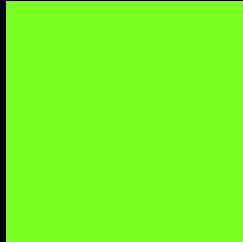
Large Text (above 18pt) WCAG AA × Fail

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 75.6120, 0.3291, 0.5687 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

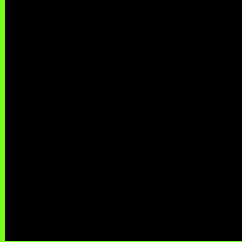
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

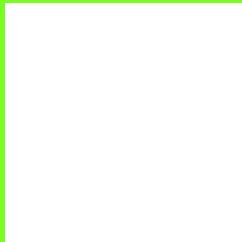
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 75.6120, 0.3291, 0.5687

Background



This preview shows how black text looks on a background with the Yxy color 75.6120, 0.3291, 0.5687.

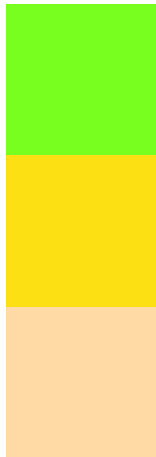


This preview shows how white text looks on a background with the Yxy color 75.6120, 0.3291, 0.5687.

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

75.6120, 0.3291, 0.5687

Protanopia

74.0573, 0.4391, 0.4859

Deuteranopia

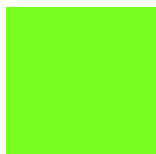
74.1194, 0.3782, 0.3835



Tritanopia

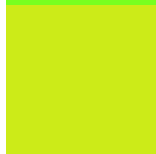
75.1593, 0.2571, 0.3085

Trichromacy



Original Color

75.6120, 0.3291, 0.5687



Protanomaly

72.3200, 0.3940, 0.5202



Deuteranomaly

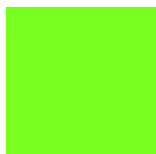
71.5346, 0.3665, 0.4585



Tritanomaly

73.7771, 0.2919, 0.4168

Monochromacy



Original Color

75.6120, 0.3291, 0.5687



Achromatopsia

50.8881, 0.3127, 0.3290



Achromatomaly

57.1470, 0.3303, 0.4363

CSS Examples

Text

The CSS property to change the color of the text to Yxy 75.6120, 0.3291, 0.5687 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(120, 255, 31)` looks like.

```
.text, #text, p{  
    color:rgb(120, 255, 31)  
}
```

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(120, 255, 31) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 255, 31) }
```

Border

The CSS property to change the border of an element to Yxy 75.6120, 0.3291, 0.5687 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(120, 255, 31) }
```

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

```
.border{ border-color:rgb(120, 255, 31) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 255, 31)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 255, 31); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 255, 31);  
box-shadow:4px 4px 4px 4px rgb(120, 255,  
31) }
```


Background

The CSS property to change the background color of an element to Yxy 75.6120, 0.3291, 0.5687 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 255, 31) }
```

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

```
.background{ background-color: rgb(120,  
255, 31) }
```

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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