

Converting Colors

$Yxy(70.2627, 0.3501, 0.5602)$

Have a look what the booklet for
Yxy(70.2627, 0.3501, 0.5602)
contains.

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Color

Yxy(70.2122, 0.3502, 0.5601)

Conversions

Conversions Part 1

Format	Color
Hex	92F300
RGB	146, 243, 0
RGB Percent	57%, 95%, 0%
CMY	0.4276, 0.0470, 0.9991
CMYK	0.40, 0.00, 1.00, 0.05
HSL	84°, 100%, 48%
HSV	84°, 100%, 95%
XYZ	43.8999, 70.2122, 11.2445
YIQ	186.2950, 20.1910, -96.1370

Conversions

Conversions Part 2

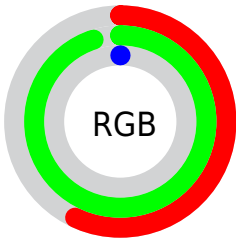
Format	Color
RYB	0, 243, 97
Decimal	9630464
CIELab	87.10, -57.90, 83.93
CIELCh	87, 101.964, 124.603
Yxy	70.2122, 0.3502, 0.5601
Android (android.graphics.Color)	4287820544 (0xFF92F300)
YUV	186.2950, -91.8434, -35.3387
Hunter-Lab	83.7927, -53.1193, 50.6985

Details

The Yxy color **70.2122, 0.3502, 0.5601** is a dark color, and the websafe version is hex **99FF00**. The color can be described as middle saturated chartreuse. A complement of this color would be **9.0347, 0.1829, 0.0781**, and the grayscale version is **49.8061, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.5407, 0.3685, 0.4974**, and **37.0026, 0.3302, 0.5760** is the 20% darker color. If you saturate the color by 10%, you get **70.2059, 0.3501, 0.5602**, and if you desaturate by 10%, it is **71.2112, 0.3548, 0.5507**.

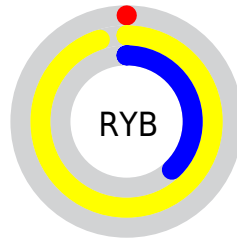
Distribution



Red (57%)

Green (95%)

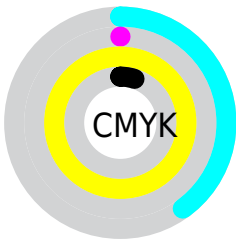
Blue (0%)



Red (0%)

Yellow (95%)

Blue (38%)

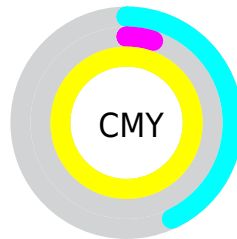


Cyan (40%)

Magenta (0%)

Yellow (100%)

Black (5%)



Cyan (43%)


Magenta (5%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 70.2122, 0.3502, 0.5601 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 70.2122, 0.3502, 0.5601 by changing the saturation by 10% instead.


 70.2122, 0.3502,
0.5601


 70.2122, 0.3502,
0.5601


461.2947, 0.3447,
0.4502

 51.6995, 0.3475,
0.5835


 119.5113, 0.3514,
0.5228


 36.7656, 0.3420,
0.6107


 151.0666, 0.3509,
0.5080


 25.0261, 0.3319,
0.6421


 187.7382, 0.3501,
0.4951

 16.0965, 0.3167,
0.6833

 229.9104, 0.3491,
0.4838

 9.5925, 0.2838,
0.7162

 277.9679, 0.3480,
0.4738

 5.1296, 0.2366,
0.7634

 332.2948, 0.3469,

 2.3235, 0.1424,

0.4651

0.8576

393.2756, 0.3458,
0.4572

■ 0.7861, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 70.2122, 0.3502,
0.5601

■ 70.2122, 0.3502,
0.5601

■ 70.2059, 0.3501,
0.5602

■ 71.2112, 0.3548,
0.5507

■ 72.3690, 0.3574,
0.5365

■ 73.7164, 0.3575,
0.5171

■ 75.2707, 0.3552,
0.4934

■ 77.0465, 0.3508,
0.4666

■ 79.0569, 0.3447,
0.4381

■ 81.3138, 0.3374,
0.4091

■ 83.8279, 0.3294,
0.3808

■ 86.6095, 0.3210,
0.3539

Harmonies

Analogous

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



70.2122, 0.4530, 0.5039



70.2122, 0.3502, 0.5601



70.2122, 0.2440, 0.5154

Triad

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



70.2122, 0.3502, 0.5601



70.2122, 0.1265, 0.1816



70.2122, 0.4754, 0.2697

Complementary

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



70.2122, 0.3502, 0.5601



9.0347, 0.1829, 0.0781

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.



70.2122, 0.3500, 0.2093



70.2122, 0.3502, 0.5601



70.2122, 0.1611, 0.1605

Square

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



70.2122, 0.3502, 0.5601



70.2122, 0.1254, 0.2473



70.2122, 0.2348, 0.1710



70.2122, 0.5449, 0.3412

Rectangle

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



70.2122, 0.3502, 0.5601



70.2122, 0.1851, 0.4240



70.2122, 0.2348, 0.1710



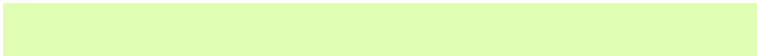
70.2122, 0.4365, 0.2477

Sweetspot

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



70.2153, 0.3502, 0.5601



90.6684, 0.3376, 0.4097



26.9393, 0.5770, 0.3800



19.1721, 0.3408, 0.4219



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.



70.2153, 0.3502, 0.5601



78.2977, 0.3500, 0.5603



64.3632, 0.3024, 0.5980



18.9639, 0.3207, 0.3528



38.6081, 0.3512, 0.5594



3.4530, 0.3595, 0.5527

Inverse Universe

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



9.0347, 0.1829, 0.0781



10.0415, 0.1825, 0.0779



20.8769, 0.2912, 0.1378



16.2500, 0.3042, 0.3050



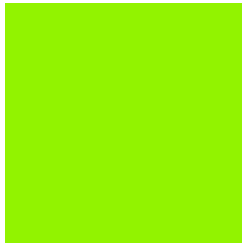
5.0241, 0.1844, 0.0789



0.4996, 0.1983, 0.0866

Previews

White Background



This preview shows how the Yxy color 70.2122, 0.3502, 0.5601 looks on a white background.

Color Contrast Check

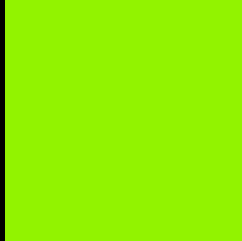
Large Text (above 18pt) WCAG AA × Fail

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 70.2122, 0.3502, 0.5601 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

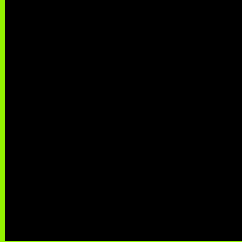
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 70.2122, 0.3502, 0.5601

Background



This preview shows how black text looks on a background with the Yxy color 70.2122, 0.3502, 0.5601.



This preview shows how white text looks on a background with the Yxy color 70.2122, 0.3502, 0.5601.

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

70.2122, 0.3502, 0.5601

Protanopia

69.0382, 0.4414, 0.4878

Deuteranopia

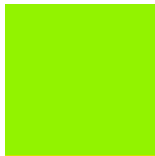
69.2173, 0.4001, 0.4017



Tritanopia

69.8086, 0.2683, 0.3083

Trichromacy



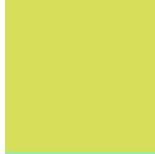
Original Color

70.2122, 0.3502, 0.5601



Protanomaly

67.9480, 0.4060, 0.5158



Deuteranomaly

67.4109, 0.3916, 0.4718



Tritanomaly

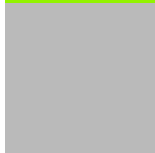
67.8663, 0.3133, 0.4262

Monochromacy



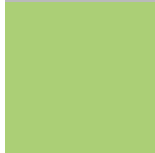
Original Color

70.2122, 0.3502, 0.5601



Achromatopsia

49.1021, 0.3127, 0.3290



Achromatomaly

54.5916, 0.3462, 0.4460

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.2122, 0.3502, 0.5601 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(146, 243, 0)` looks like.

```
.text, #text, p{  
    color:rgb(146, 243, 0)  
}
```

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(146, 243, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(146, 243, 0) }
```

Border

The CSS property to change the border of an element to Yxy 70.2122, 0.3502, 0.5601 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(146, 243, 0) }
```

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

```
.border{ border-color:rgb(146, 243, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(146, 243, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(146, 243, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(146, 243, 0);  
box-shadow:4px 4px 4px 4px rgb(146, 243,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 70.2122, 0.3502, 0.5601 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(146, 243, 0) }
```

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

```
.background{ background-color: rgb(146,  
243, 0) }
```

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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