

Converting Colors

$Y_{xy}(69.4570, 0.3101, 0.5920)$

Have a look what the booklet for
Yxy(69.4570, 0.3101, 0.5920)
contains.

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Color

Yxy(69.5295, 0.3102, 0.5919)

Conversions

Conversions Part 1

Format	Color
Hex	42FA00
RGB	66, 250, 0
RGB Percent	26%, 98%, 0%
CMY	0.7407, 0.0196, 0.9998
CMYK	0.74, 0.00, 1.00, 0.02
HSL	104°, 100%, 49%
HSV	104°, 100%, 98%
XYZ	36.4387, 69.5295, 11.5001
YIQ	166.4840, -29.4140, -116.7580

Conversions

Conversions Part 2

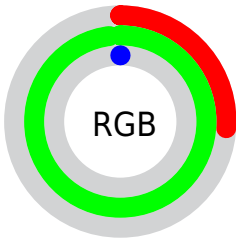
Format	Color
RYB	0, 250, 184
Decimal	4389376
CIELab	86.77, -79.73, 82.64
CIELCh	87, 114.832, 133.972
Yxy	69.5295, 0.3102, 0.5919
Android (android.graphics.Color)	4282579456 (0xFF42FA00)
YUV	166.4840, -82.0766, -88.1245
Hunter-Lab	83.3844, -67.9187, 50.1919

Details

The Yxy color **69.5295, 0.3102, 0.5919** is a dark color, and the websafe version is hex **33FF00**. The color can be described as dark saturated green. A complement of this color would be **17.0827, 0.2537, 0.1171**, and the grayscale version is **38.8177, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.0261, 0.3271, 0.5229**, and **37.6993, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **69.5312, 0.3102, 0.5919**, and if you desaturate by 10%, it is **70.3488, 0.3148, 0.5818**.

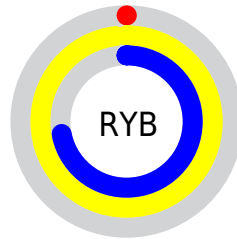
Distribution



Red (26%)

Green (98%)

Blue (0%)



Red (0%)

Yellow (98%)

Blue (72%)

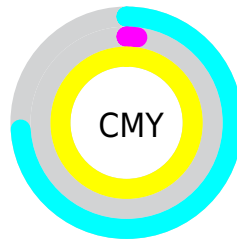


Cyan (74%)

Magenta (0%)

Yellow (100%)

Black (2%)



Cyan (74%)


Magenta (2%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 69.5295, 0.3102, 0.5919 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 69.5295, 0.3102, 0.5919 by changing the saturation by 10% instead.


 69.5295, 0.3102,
0.5919

 69.5295, 0.3102,
0.5919


458.8963, 0.3245,
0.4621


 51.1431, 0.3028,
0.6209


 118.5375, 0.3184,
0.5468


 36.3225, 0.2916,
0.6552


 149.9279, 0.3206,
0.5291

 24.6833, 0.2743,
0.6956


 186.4218, 0.3221,
0.5139

 15.8413, 0.2501,
0.7499

 228.4034, 0.3231,
0.5007

 9.4119, 0.2066,
0.7934

 276.2573, 0.3238,
0.4892

 5.0108, 0.1480,
0.8520


 330.3678, 0.3242,

 2.2536, 0.0000,


0.4791

1.0000


391.1193, 0.3244,
0.4701

 0.7490, 0.0000,
1.0000


 0.0000, 0.0000,
0.0000

 69.5295, 0.3102,
0.5919


 69.5295, 0.3102,
0.5919


 69.5312, 0.3102,
0.5919

 70.3488, 0.3148,
0.5818


 71.4784, 0.3189,
0.5650

 72.9647, 0.3218,
0.5412

 74.8389, 0.3234,
0.5122

 77.1283, 0.3236,
0.4800

 79.8577, 0.3227,
0.4466

 83.0496, 0.3209,
0.4139

 86.7249, 0.3185,
0.3830

 90.9034, 0.3157,
0.3546

Harmonies

Analogous

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



69.5295, 0.4258, 0.5439



69.5295, 0.3102, 0.5919



69.5295, 0.2007, 0.4988

Triad

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



69.5295, 0.3102, 0.5919



69.5295, 0.1186, 0.1559



69.5295, 0.5298, 0.2843

Complementary

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



69.5295, 0.3102, 0.5919



17.0827, 0.2537, 0.1171

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.



69.5295, 0.3995, 0.2157



69.5295, 0.3102, 0.5919



69.5295, 0.1666, 0.1461

Square

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



69.5295, 0.3102, 0.5919



69.5295, 0.1059, 0.2070



69.5295, 0.2605, 0.1668



69.5295, 0.5734, 0.3611

Rectangle

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



69.5295, 0.3102, 0.5919



69.5295, 0.1473, 0.3803



69.5295, 0.2605, 0.1668



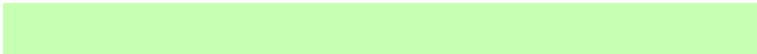
69.5295, 0.4930, 0.2602

Sweetspot

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



69.5324, 0.3102, 0.5919



86.8590, 0.3209, 0.4140



54.3322, 0.4771, 0.4594



18.2770, 0.3218, 0.4277



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.



69.5324, 0.3102, 0.5919



72.7281, 0.3101, 0.5920



68.6792, 0.2935, 0.5766



19.5311, 0.3156, 0.3532



36.9415, 0.3111, 0.5912



3.4706, 0.3194, 0.5846

Inverse Universe

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



17.0827, 0.2537, 0.1171



17.8585, 0.2536, 0.1171



24.1158, 0.3919, 0.1933



17.2802, 0.3095, 0.3053



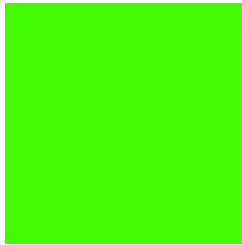
9.1339, 0.2548, 0.1177



0.8974, 0.2629, 0.1222

Previews

White Background



This preview shows how the Yxy color 69.5295, 0.3102, 0.5919 looks on a white background.

Color Contrast Check

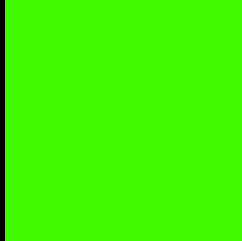
Large Text (above 18pt) WCAG AA × Fail

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 69.5295, 0.3102, 0.5919 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

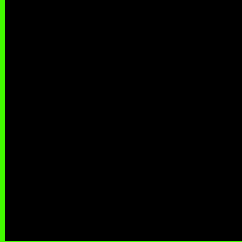
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 69.5295, 0.3102, 0.5919

Background



This preview shows how black text looks on a background with the Yxy color 69.5295, 0.3102, 0.5919.

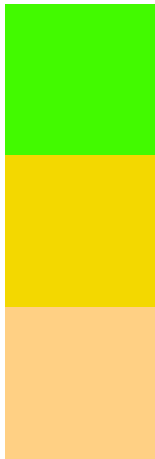


This preview shows how white text looks on a background with the Yxy color 69.5295, 0.3102, 0.5919.

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

69.5295, 0.3102, 0.5919

Protanopia

68.1664, 0.4407, 0.4883

Deuteranopia

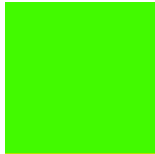
68.0377, 0.4060, 0.4065



Tritanopia

68.7432, 0.2411, 0.3061

Trichromacy



Original Color

69.5295, 0.3102, 0.5919



Protanomaly

65.0705, 0.3813, 0.5355



Deuteranomaly

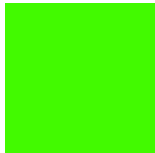
63.8545, 0.3703, 0.4902



Tritanomaly

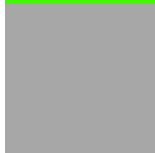
67.0378, 0.2773, 0.4365

Monochromacy



Original Color

69.5295, 0.3102, 0.5919



Achromatopsia

38.6429, 0.3127, 0.3290



Achromatomaly

45.7189, 0.3233, 0.4652

CSS Examples

Text

The CSS property to change the color of the text to Yxy 69.5295, 0.3102, 0.5919 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(66, 250, 0)` looks like.

```
.text, #text, p{  
    color:rgb(66, 250, 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(66, 250, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(66, 250, 0) }
```

Border

The CSS property to change the border of an element to Yxy 69.5295, 0.3102, 0.5919 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(66, 250, 0) }
```

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

```
.border{ border-color:rgb(66, 250, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(66, 250, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(66, 250, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(66, 250, 0);  
box-shadow:4px 4px 4px 4px rgb(66, 250, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 69.5295, 0.3102, 0.5919 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(66, 250, 0) }
```

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

```
.background{ background-color: rgb(66, 250,  
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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