

Converting Colors

$Y_{xy}(72.3395, 0.3122, 0.5903)$

Have a look what the booklet for
Yxy(72.3395, 0.3122, 0.5903)
contains.

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Color

Yxy(72.3395, 0.3122, 0.5903)

Conversions

Conversions Part 1

Format	Color
Hex	4AFE00
RGB	74, 254, 0
RGB Percent	29%, 100%, 0%
CMY	0.7103, 0.0039, 0.9996
CMYK	0.71, 0.00, 1.00, 0.00
HSL	103°, 100%, 50%
HSV	103°, 100%, 100%
XYZ	38.2592, 72.3395, 11.9483
YIQ	171.2240, -25.7460, -117.1540

Conversions

Conversions Part 2

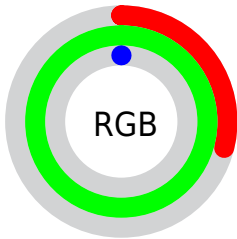
Format	Color
RYB	0, 254, 180
Decimal	4914688
CIELab	88.13, -79.67, 83.79
CIELCh	88, 115.615, 133.556
Yxy	72.3395, 0.3122, 0.5903
Android (android.graphics.Color)	4283104768 (0xFF4AFE00)
YUV	171.2240, -84.4134, -85.2654
Hunter-Lab	85.0526, -68.5476, 51.2077

Details

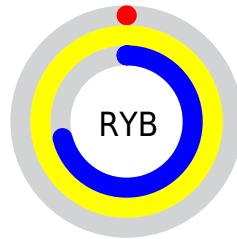
The Yxy color **72.3395, 0.3122, 0.5903** is a dark color, and the websafe version is hex **33FF00**. The color can be described as dark saturated green. A complement of this color would be **16.8908, 0.2472, 0.1135**, and the grayscale version is **41.2766, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.4958, 0.3296, 0.5203**, and **39.4799, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **72.3394, 0.3122, 0.5903**, and if you desaturate by 10%, it is **73.2338, 0.3171, 0.5801**.

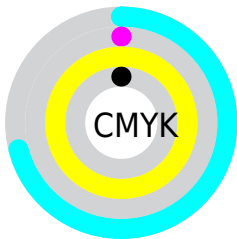
Distribution



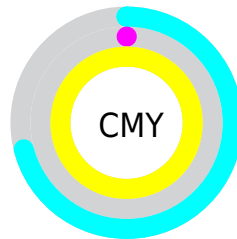
- Red (29%)
- Green (100%)
- Blue (0%)



- Red (0%)
- Yellow (100%)
- Blue (71%)



- Cyan (71%)
- Magenta (0%)
- Yellow (100%)
- Black (0%)





- Cyan (71%)
- Magenta (0%)
- Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 72.3395, 0.3122, 0.5903 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 72.3395, 0.3122, 0.5903 by changing the saturation by 10% instead.


 72.3395, 0.3122,
0.5903


 72.3395, 0.3122,
0.5903

468.7224, 0.3255,
0.4624


 53.4361, 0.3052,
0.6186


 122.5391, 0.3200,
0.5461


 38.1510, 0.2945,
0.6520


 154.6040, 0.3221,
0.5287

 26.0999, 0.2779,
0.6913


 191.8249, 0.3235,
0.5137

 16.8984, 0.2553,
0.7447

 234.5861, 0.3244,
0.5006

 10.1621, 0.2135,
0.7865

 283.2721, 0.3249,
0.4892

 5.5065, 0.1573,
0.8427

 338.2672, 0.3253,

 2.5474, 0.0000,

0.4792

1.0000

399.9559, 0.3255,
0.4703

■ 0.9003, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 72.3395, 0.3122,
0.5903

■ 72.3395, 0.3122,
0.5903


■ 72.3394, 0.3122,
0.5903

■ 73.2338, 0.3171,
0.5801

■ 74.4393, 0.3213,
0.5633

■ 76.0020, 0.3242,
0.5397


■ 77.9523, 0.3256,
0.5110

 80.3171, 0.3256,
0.4791

 83.1205, 0.3244,
0.4460

 86.3848, 0.3222,
0.4136

 90.1304, 0.3193,
0.3828

 94.3766, 0.3161,
0.3545

Harmonies

Analogous

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



72.3395, 0.4273, 0.5419



72.3395, 0.3122, 0.5903



72.3395, 0.2028, 0.4997

Triad

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



72.3395, 0.3122, 0.5903



72.3395, 0.1190, 0.1571



72.3395, 0.5272, 0.2837

Complementary

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



72.3395, 0.3122, 0.5903



16.8908, 0.2472, 0.1135

Split Complementary

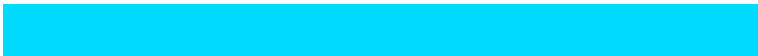
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



72.3395, 0.3970, 0.2154



72.3395, 0.3122, 0.5903



72.3395, 0.1663, 0.1468

Square

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



72.3395, 0.3122, 0.5903



72.3395, 0.1068, 0.2089



72.3395, 0.2592, 0.1670



72.3395, 0.5722, 0.3603

Rectangle

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



72.3395, 0.3122, 0.5903



72.3395, 0.1491, 0.3825



72.3395, 0.2592, 0.1670



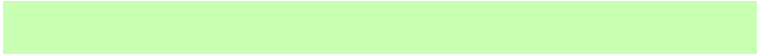
72.3395, 0.4902, 0.2596

Sweetspot

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



72.3425, 0.3122, 0.5903



87.1342, 0.3222, 0.4137



52.8504, 0.4859, 0.4524



18.3408, 0.3232, 0.4273



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.



72.3425, 0.3122, 0.5903



72.9794, 0.3122, 0.5903



71.1300, 0.2951, 0.5825



20.4237, 0.3160, 0.3533



38.1991, 0.3132, 0.5895



3.7724, 0.3213, 0.5831

Inverse Universe

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



16.8908, 0.2472, 0.1135



17.0328, 0.2471, 0.1135



25.3982, 0.3803, 0.1869



18.0198, 0.3091, 0.3052



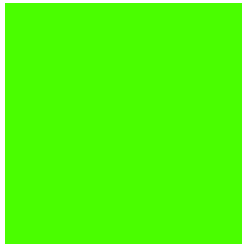
8.9803, 0.2484, 0.1142



0.9304, 0.2568, 0.1189

Previews

White Background



This preview shows how the Yxy color 72.3395, 0.3122, 0.5903 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 72.3395, 0.3122, 0.5903 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

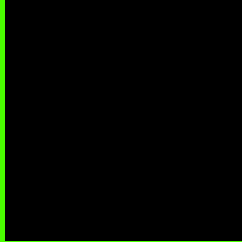
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 72.3395, 0.3122, 0.5903

Background



This preview shows how black text looks on a background with the Yxy color 72.3395, 0.3122, 0.5903.



This preview shows how white text looks on a background with the Yxy color 72.3395, 0.3122, 0.5903.

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

72.3395, 0.3122, 0.5903

Protanopia

70.9606, 0.4403, 0.4886

Deuteranopia

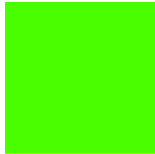
70.4851, 0.3928, 0.3948



Tritanopia

71.7229, 0.2427, 0.3065

Trichromacy



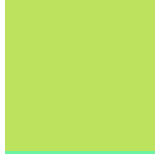
Original Color

72.3395, 0.3122, 0.5903



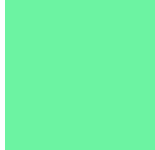
Protanomaly

67.9036, 0.3826, 0.5344



Deuteranomaly

66.5651, 0.3662, 0.4830



Tritanomaly

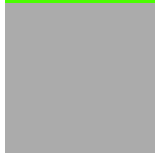
69.8980, 0.2798, 0.4369

Monochromacy



Original Color

72.3395, 0.3122, 0.5903



Achromatopsia

40.7240, 0.3127, 0.3290



Achromatomaly

48.1117, 0.3254, 0.4631

CSS Examples

Text

The CSS property to change the color of the text to Yxy 72.3395, 0.3122, 0.5903 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(74, 254, 0)` looks like.

```
.text, #text, p{  
    color:rgb(74, 254, 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(74, 254, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(74, 254, 0) }
```

Border

The CSS property to change the border of an element to Yxy 72.3395, 0.3122, 0.5903 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(74, 254, 0) }
```

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

```
.border{ border-color:rgb(74, 254, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(74, 254, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(74, 254, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(74, 254, 0);  
box-shadow:4px 4px 4px 4px rgb(74, 254, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 72.3395, 0.3122, 0.5903 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(74, 254, 0) }
```

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

```
.background{ background-color: rgb(74, 254,  
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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