

Converting Colors

$Y_{xy}(72.2803, 0.3064, 0.5949)$

Have a look what the booklet for
Yxy(72.2803, 0.3064, 0.5949)
contains.

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Color

Yxy(72.2769, 0.3064, 0.5949)

Conversions

Conversions Part 1

Format	Color
Hex	35FF00
RGB	53, 255, 0
RGB Percent	21%, 100%, 0%
CMY	0.7924, 0.0000, 0.9995
CMYK	0.79, 0.00, 1.00, 0.00
HSL	108°, 100%, 50%
HSV	108°, 100%, 100%
XYZ	37.2258, 72.2769, 11.9915
YIQ	165.5320, -38.5370, -122.1290

Conversions

Conversions Part 2

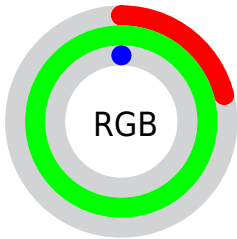
Format	Color
RYB	0, 255, 202
Decimal	3538688
CIELab	88.10, -82.89, 83.62
CIELCh	88, 117.741, 134.749
Yxy	72.2769, 0.3064, 0.5949
Android (android.graphics.Color)	4281728768 (0xFF35FF00)
YUV	165.5320, -81.6073, -98.6906
Hunter-Lab	85.0158, -70.6180, 51.1482

Details

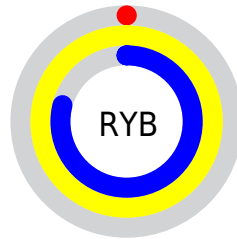
The Yxy color **72.2769, 0.3064, 0.5949** is a dark color, and the websafe version is hex **33FF00**. The color can be described as dark saturated green. A complement of this color would be **19.8077, 0.2680, 0.1250**, and the grayscale version is **38.3072, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.4436, 0.3229, 0.5244**, and **39.4799, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **72.2721, 0.3064, 0.5949**, and if you desaturate by 10%, it is **73.0151, 0.3103, 0.5854**.

Distribution



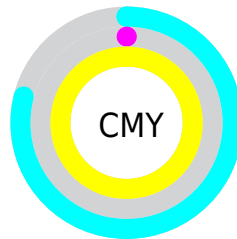
- Red (21%)
- Green (100%)
- Blue (0%)



- Red (0%)
- Yellow (100%)
- Blue (79%)



- Cyan (79%)
- Magenta (0%)
- Yellow (100%)
- Black (0%)





- Cyan (79%)
- Magenta (0%)
- Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 72.2769, 0.3064, 0.5949 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 72.2769, 0.3064, 0.5949 by changing the saturation by 10% instead.


 72.2769, 0.3064,
0.5949


 72.2769, 0.3064,
0.5949


468.5048, 0.3226,
0.4641


 53.3849, 0.2987,
0.6240


 122.4501, 0.3152,
0.5495

 38.1101, 0.2872,
0.6584


 154.5001, 0.3177,
0.5317


 26.0682, 0.2697,
0.6989

 191.7050, 0.3194,
0.5164

 16.8746, 0.2459,
0.7541

 234.4490, 0.3206,
0.5031

 10.1452, 0.2029,
0.7971

 283.1166, 0.3214,
0.4915

 5.4953, 0.1456,
0.8544


 338.0921, 0.3220,

 2.5407, 0.0000,


0.4813


1.0000


399.7601, 0.3223,
0.4722


 0.8970, 0.0000,
1.0000


 0.0000, 0.0000,
0.0000


 72.2769, 0.3064,
0.5949


 72.2769, 0.3064,
0.5949


 72.2721, 0.3064,
0.5949


 73.0151, 0.3103,
0.5854


 74.1063, 0.3139,
0.5687


 75.6000, 0.3168,
0.5447


 77.5337, 0.3186,
0.5150

 79.9404, 0.3194,
0.4820

 82.8498, 0.3192,
0.4480

 86.2889, 0.3182,
0.4146

 90.2829, 0.3167,
0.3832

 94.8553, 0.3148,
0.3546

Harmonies

Analogous

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



72.2769, 0.4231, 0.5478



72.2769, 0.3064, 0.5949



72.2769, 0.1967, 0.4968

Triad

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



72.2769, 0.3064, 0.5949



72.2769, 0.1179, 0.1537



72.2769, 0.5348, 0.2855

Complementary

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



72.2769, 0.3064, 0.5949



19.8077, 0.2680, 0.1250

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.



72.2769, 0.4044, 0.2162



72.2769, 0.3064, 0.5949



72.2769, 0.1671, 0.1448

Square

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



72.2769, 0.3064, 0.5949



72.2769, 0.1042, 0.2035



72.2769, 0.2630, 0.1664



72.2769, 0.5757, 0.3627

Rectangle

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



72.2769, 0.3064, 0.5949



72.2769, 0.1440, 0.3761



72.2769, 0.2630, 0.1664



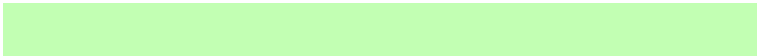
72.2769, 0.4983, 0.2612

Sweetspot

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



72.2752, 0.3064, 0.5949



86.2698, 0.3182, 0.4148



62.4663, 0.4646, 0.4693



18.1410, 0.3187, 0.4286



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.



72.2752, 0.3064, 0.5949



72.2721, 0.3064, 0.5949



71.9932, 0.2907, 0.5665



20.3493, 0.3147, 0.3534



37.8142, 0.3072, 0.5943



3.7258, 0.3142, 0.5887

Inverse Universe

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



19.8077, 0.2680, 0.1250



19.8011, 0.2679, 0.1250



24.6729, 0.4104, 0.2035



18.0993, 0.3105, 0.3053



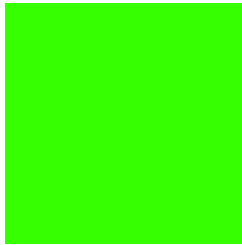
10.4125, 0.2688, 0.1255



1.0593, 0.2751, 0.1289

Previews

White Background



This preview shows how the Yxy color 72.2769, 0.3064, 0.5949 looks on a white background.

Color Contrast Check

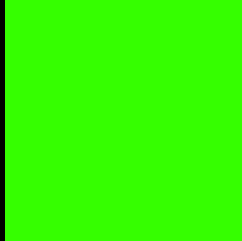
Large Text (above 18pt) WCAG AA × Fail

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 72.2769, 0.3064, 0.5949 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

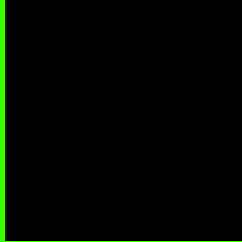
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 72.2769, 0.3064, 0.5949

Background



This preview shows how black text looks on a background with the Yxy color 72.2769, 0.3064, 0.5949.



This preview shows how white text looks on a background with the Yxy color 72.2769, 0.3064, 0.5949.

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

72.2769, 0.3064, 0.5949

Protanopia

70.4372, 0.4412, 0.4879

Deuteranopia

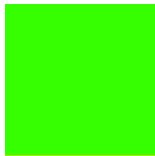
70.4536, 0.3935, 0.3958



Tritanopia

71.3485, 0.2408, 0.3064

Trichromacy



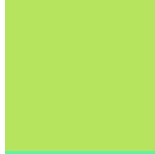
Original Color

72.2769, 0.3064, 0.5949



Protanomaly

66.9433, 0.3766, 0.5392



Deuteranomaly

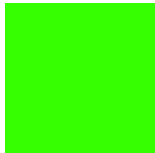
66.2400, 0.3605, 0.4868



Tritanomaly

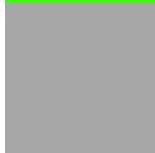
69.2512, 0.2753, 0.4383

Monochromacy



Original Color

72.2769, 0.3064, 0.5949



Achromatopsia

38.1326, 0.3127, 0.3290



Achromatomaly

45.7887, 0.3193, 0.4679

CSS Examples

Text

The CSS property to change the color of the text to Yxy 72.2769, 0.3064, 0.5949 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(53, 255, 0)` looks like.

```
.text, #text, p{  
    color:rgb(53, 255, 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(53, 255, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(53, 255, 0) }
```

Border

The CSS property to change the border of an element to Yxy 72.2769, 0.3064, 0.5949 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(53, 255, 0) }
```

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

```
.border{ border-color:rgb(53, 255, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(53, 255, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(53, 255, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(53, 255, 0);  
box-shadow:4px 4px 4px 4px rgb(53, 255, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 72.2769, 0.3064, 0.5949 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(53, 255, 0) }
```

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

```
.background{ background-color: rgb(53, 255,  
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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