

Converting Colors

$Y_{xy}(72.5768, 0.3089, 0.5929)$

Have a look what the booklet for
Yxy(72.5768, 0.3089, 0.5929)
contains.

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Color

Yxy(72.5768, 0.3089, 0.5929)

Conversions

Conversions Part 1

Format	Color
Hex	3FFF00
RGB	63, 255, 0
RGB Percent	25%, 100%, 0%
CMY	0.7528, 0.0000, 0.9992
CMYK	0.75, 0.00, 1.00, 0.00
HSL	105°, 100%, 50%
HSV	105°, 100%, 100%
XYZ	37.8124, 72.5768, 12.0206
YIQ	168.5220, -32.5770, -120.0090

Conversions

Conversions Part 2

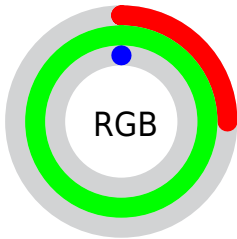
Format	Color
RYB	0, 255, 192
Decimal	4194048
CIELab	88.25, -81.60, 83.79
CIELCh	88, 116.957, 134.241
Yxy	72.5768, 0.3089, 0.5929
Android (android.graphics.Color)	4282384128 (0xFF3FFF00)
YUV	168.5220, -83.0813, -92.5428
Hunter-Lab	85.1920, -69.8590, 51.2686

Details

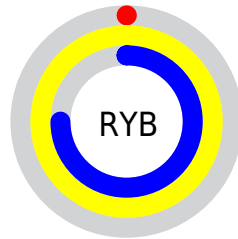
The Yxy color **72.5768, 0.3089, 0.5929** is a dark color, and the websafe version is hex **33FF00**, and the color name is [harlequin](#). The color can be described as dark saturated green. A complement of this color would be **18.4533, 0.2581, 0.1195**, and the grayscale version is **39.8755, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.9554, 0.3262, 0.5224**, and **39.9325, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **72.5728, 0.3089, 0.5930**, and if you desaturate by 10%, it is **73.3983, 0.3133, 0.5830**.

Distribution



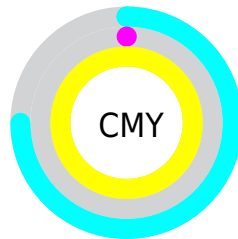
- Red (25%)
- Green (100%)
- Blue (0%)



- Red (0%)
- Yellow (100%)
- Blue (75%)



- Cyan (75%)
- Magenta (0%)
- Yellow (100%)
- Black (0%)




- Cyan (75%)
- Magenta (0%)
- Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 72.5768, 0.3089, 0.5929 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 72.5768, 0.3089, 0.5929 by changing the saturation by 10% instead.


 72.5768, 0.3089,
0.5929


 72.5768, 0.3089,
0.5929


469.5468, 0.3238,
0.4634


 53.6300, 0.3015,
0.6216


 122.8762, 0.3172,
0.5481


 38.3059, 0.2904,
0.6556

 154.9976, 0.3196,
0.5305

 26.2202, 0.2733,
0.6954


 192.2794, 0.3211,
0.5153

 16.9885, 0.2501,
0.7499

 235.1058, 0.3222,
0.5021

 10.2263, 0.2078,
0.7922

 283.8614, 0.3229,
0.4906

 5.5492, 0.1511,
0.8489


 338.9305, 0.3234,

 2.5730, 0.0000,


0.4805


1.0000


400.6975, 0.3237,
0.4715


 0.9131, 0.0000,
1.0000


 0.0000, 0.0000,
0.0000


 72.5768, 0.3089,
0.5929


 72.5768, 0.3089,
0.5929


 72.5728, 0.3089,
0.5930


 73.3983, 0.3133,
0.5830


 74.5542, 0.3173,
0.5662

 76.0930, 0.3202,
0.5423


 78.0489, 0.3219,
0.5131

 80.4516, 0.3223,
0.4806

 83.3283, 0.3216,
0.4470

 86.7036, 0.3201,
0.4140

 90.6004, 0.3179,
0.3829

 95.0401, 0.3154,
0.3544

Harmonies

Analogous

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



72.5768, 0.4249, 0.5452



72.5768, 0.3089, 0.5929



72.5768, 0.1993, 0.4981

Triad

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



72.5768, 0.3089, 0.5929



72.5768, 0.1183, 0.1551



72.5768, 0.5315, 0.2848

Complementary

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



72.5768, 0.3089, 0.5929



18.4533, 0.2581, 0.1195

Split Complementary

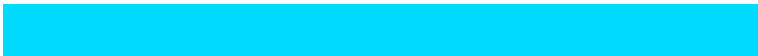
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



72.5768, 0.4012, 0.2159



72.5768, 0.3089, 0.5929



72.5768, 0.1667, 0.1456

Square

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



72.5768, 0.3089, 0.5929



72.5768, 0.1053, 0.2058



72.5768, 0.2613, 0.1667



72.5768, 0.5742, 0.3617

Rectangle

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



72.5768, 0.3089, 0.5929



72.5768, 0.1462, 0.3789



72.5768, 0.2613, 0.1667



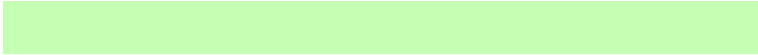
72.5768, 0.4948, 0.2605

Sweetspot

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



72.5784, 0.3089, 0.5929



86.6740, 0.3201, 0.4143



58.6539, 0.4728, 0.4627



18.2342, 0.3208, 0.4280



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.



72.5784, 0.3089, 0.5929



72.5728, 0.3089, 0.5930



71.8904, 0.2927, 0.5735



20.3844, 0.3153, 0.3533



37.9789, 0.3098, 0.5922



3.7464, 0.3174, 0.5862

Inverse Universe

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



18.4533, 0.2581, 0.1195



18.4421, 0.2580, 0.1195



25.0394, 0.3980, 0.1966



18.0616, 0.3098, 0.3053



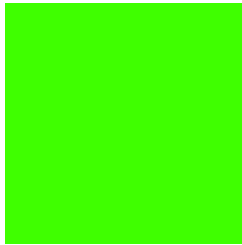
9.7100, 0.2591, 0.1201



0.9964, 0.2664, 0.1241

Previews

White Background



This preview shows how the Yxy color 72.5768, 0.3089, 0.5929 looks on a white background.

Color Contrast Check

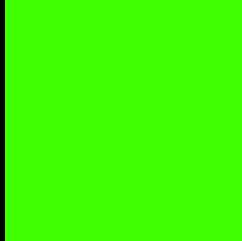
Large Text (above 18pt) WCAG AA × Fail

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 72.5768, 0.3089, 0.5929 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

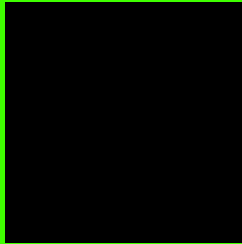
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 72.5768, 0.3089, 0.5929

Background



This preview shows how black text looks on a background with the Yxy color 72.5768, 0.3089, 0.5929.



This preview shows how white text looks on a background with the Yxy color 72.5768, 0.3089, 0.5929.

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

72.5768, 0.3089, 0.5929

Protanopia

70.9606, 0.4403, 0.4886

Deuteranopia

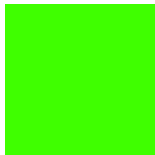
70.5169, 0.3921, 0.3938



Tritanopia

71.6465, 0.2424, 0.3065

Trichromacy



Original Color

72.5768, 0.3089, 0.5929



Protanomaly

67.9811, 0.3790, 0.5372



Deuteranomaly

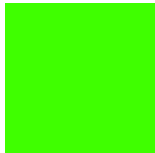
66.6273, 0.3623, 0.4845



Tritanomaly

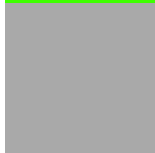
69.5934, 0.2777, 0.4376

Monochromacy



Original Color

72.5768, 0.3089, 0.5929



Achromatopsia

39.6755, 0.3127, 0.3290



Achromatomaly

47.1371, 0.3216, 0.4654

CSS Examples

Text

The CSS property to change the color of the text to Yxy 72.5768, 0.3089, 0.5929 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(63, 255, 0)` looks like.

```
.text, #text, p{  
    color:rgb(63, 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(63, 255, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(63, 255, 0) }
```

Border

The CSS property to change the border of an element to Yxy 72.5768, 0.3089, 0.5929 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(63, 255, 0) }
```

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

```
.border{ border-color:rgb(63, 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(63, 255, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(63, 255, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(63, 255, 0);  
box-shadow:4px 4px 4px 4px rgb(63, 255, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 72.5768, 0.3089, 0.5929 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(63, 255, 0) }
```

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

```
.background{ background-color: rgb(63, 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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