

Converting Colors

$Yxy(72.5136, 0.3084, 0.5933)$

Have a look what the booklet for
Yxy(72.5136, 0.3084, 0.5933)
contains.

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Color

Yxy(72.5121, 0.3084, 0.5934)

Conversions

Conversions Part 1

Format	Color
Hex	3DFF00
RGB	61, 255, 0
RGB Percent	24%, 100%, 0%
CMY	0.7605, 0.0000, 1.0000
CMYK	0.76, 0.00, 1.00, 0.00
HSL	106°, 100%, 50%
HSV	106°, 100%, 100%
XYZ	37.6858, 72.5121, 11.9998
YIQ	167.9240, -33.7690, -120.4330

Conversions

Conversions Part 2

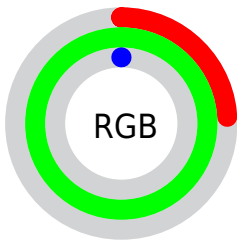
Format	Color
RYB	0, 255, 194
Decimal	4062976
CIELab	88.21, -81.88, 83.79
CIELCh	88, 117.152, 134.338
Yxy	72.5121, 0.3084, 0.5934
Android (android.graphics.Color)	4282253056 (0xFF3DFF00)
YUV	167.9240, -82.7865, -93.7723
Hunter-Lab	85.1540, -70.0226, 51.2527

Details

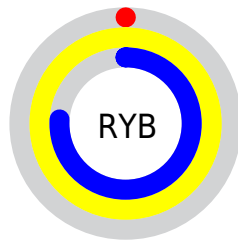
The Yxy color **72.5121, 0.3084, 0.5934** is a dark color, and the websafe version is hex **33FF00**. The color can be described as dark saturated green. A complement of this color would be **18.6811, 0.2598, 0.1205**, and the grayscale version is **39.5552, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.8682, 0.3256, 0.5227**, and **39.9325, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **72.5141, 0.3084, 0.5933**, and if you desaturate by 10%, it is **73.3177, 0.3127, 0.5836**.

Distribution



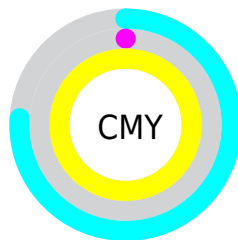
- Red (24%)
- Green (100%)
- Blue (0%)



- Red (0%)
- Yellow (100%)
- Blue (76%)



- Cyan (76%)
- Magenta (0%)
- Yellow (100%)
- Black (0%)





- Cyan (76%)
- Magenta (0%)
- Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 72.5121, 0.3084, 0.5934 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 72.5121, 0.3084, 0.5934 by changing the saturation by 10% instead.

 72.5121, 0.3084,
0.5934


 72.5121, 0.3084,
0.5934


469.3221, 0.3236,
0.4636


 53.5771, 0.3009,
0.6222


 122.7843, 0.3168,
0.5484


 38.2637, 0.2897,
0.6562


 154.8903, 0.3192,
0.5308


 26.1874, 0.2726,
0.6962


 192.1555, 0.3208,
0.5156

 16.9639, 0.2492,
0.7508

 234.9642, 0.3219,
0.5024

 10.2087, 0.2067,
0.7933

 283.7008, 0.3226,
0.4908

 5.5376, 0.1499,
0.8501


 338.7497, 0.3231,


 2.5660, 0.0000,


0.4807


1.0000


400.4953, 0.3234,
0.4717


 0.9096, 0.0000,
1.0000


 0.0000, 0.0000,
0.0000


 72.5121, 0.3084,
0.5934


 72.5121, 0.3084,
0.5934

 72.5141, 0.3084,
0.5933


 73.3177, 0.3127,
0.5836

 74.4598, 0.3166,
0.5668


 75.9880, 0.3196,
0.5430


 77.9371, 0.3213,
0.5137

 80.3376, 0.3218,
0.4811

 83.2170, 0.3212,
0.4474

 86.6003, 0.3197,
0.4144

 90.5109, 0.3177,
0.3832

 94.9706, 0.3153,
0.3547

Harmonies

Analogous

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



72.5121, 0.4246, 0.5457



72.5121, 0.3084, 0.5934



72.5121, 0.1988, 0.4979

Triad

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



72.5121, 0.3084, 0.5934



72.5121, 0.1182, 0.1548



72.5121, 0.5322, 0.2849

Complementary

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



72.5121, 0.3084, 0.5934



18.6811, 0.2598, 0.1205

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.



72.5121, 0.4018, 0.2159



72.5121, 0.3084, 0.5934



72.5121, 0.1668, 0.1454

Square

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



72.5121, 0.3084, 0.5934



72.5121, 0.1051, 0.2053



72.5121, 0.2616, 0.1666



72.5121, 0.5746, 0.3619

Rectangle

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



72.5121, 0.3084, 0.5934



72.5121, 0.1457, 0.3784



72.5121, 0.2616, 0.1666



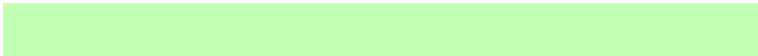
72.5121, 0.4956, 0.2606

Sweetspot

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



72.5141, 0.3084, 0.5933



86.6003, 0.3197, 0.4144



58.6307, 0.4729, 0.4627



18.2172, 0.3204, 0.4281



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.



72.5141, 0.3084, 0.5933



71.8873, 0.2927, 0.5736



20.3781, 0.3152, 0.3533



37.9469, 0.3093, 0.5926



3.7425, 0.3168, 0.5867

Inverse Universe

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



18.6811, 0.2598, 0.1205



25.0326, 0.3980, 0.1966



18.0684, 0.3099, 0.3053



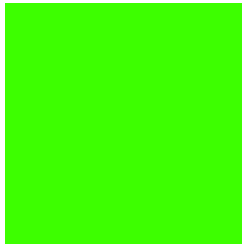
9.8336, 0.2608, 0.1210



1.0075, 0.2680, 0.1250

Previews

White Background



This preview shows how the Yxy color 72.5121, 0.3084, 0.5934 looks on a white background.

Color Contrast Check

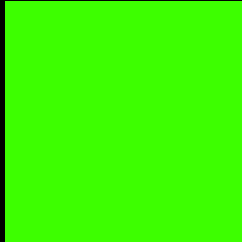
Large Text (above 18pt) WCAG AA × Fail

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 72.5121, 0.3084, 0.5934 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 72.5121, 0.3084, 0.5934

Background



This preview shows how black text looks on a background with the Yxy color 72.5121, 0.3084, 0.5934.



This preview shows how white text looks on a background with the Yxy color 72.5121, 0.3084, 0.5934.

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

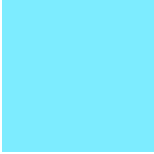
72.5121, 0.3084, 0.5934

Protanopia

70.9606, 0.4403, 0.4886

Deuteranopia

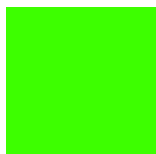
70.4851, 0.3928, 0.3948



Tritanopia

71.5709, 0.2420, 0.3065

Trichromacy



Original Color

72.5121, 0.3084, 0.5934



Protanomaly

67.8615, 0.3783, 0.5378



Deuteranomaly

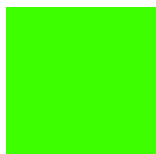
66.4853, 0.3620, 0.4859



Tritanomaly

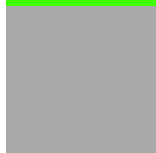
69.5346, 0.2773, 0.4377

Monochromacy



Original Color

72.5121, 0.3084, 0.5934



Achromatopsia

39.1572, 0.3127, 0.3290



Achromatomaly

47.0372, 0.3214, 0.4672

CSS Examples

Text

The CSS property to change the color of the text to Yxy 72.5121, 0.3084, 0.5934 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(61, 255, 0)` looks like.

```
.text, #text, p{  
    color:rgb(61, 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(61, 255, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(61, 255, 0) }
```

Border

The CSS property to change the border of an element to Yxy 72.5121, 0.3084, 0.5934 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(61, 255, 0) }
```

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

```
.border{ border-color:rgb(61, 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(61, 255, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(61, 255, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(61, 255, 0);  
box-shadow:4px 4px 4px 4px rgb(61, 255, 0)  
}
```

Background

The CSS property to change the background color of an element to Yxy 72.5121, 0.3084, 0.5934 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(61, 255, 0) }
```

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

```
.background{ background-color: rgb(61, 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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