

Converting Colors

$Y_{xy}(72.4020, 0.3075, 0.5941)$

Have a look what the booklet for
Yxy(72.4020, 0.3075, 0.5941)
contains.

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Color

Yxy(72.4195, 0.3076, 0.5940)

Conversions

Conversions Part 1

Format	Color
Hex	3AFF00
RGB	58, 255, 0
RGB Percent	23%, 100%, 0%
CMY	0.7727, 0.0000, 1.0000
CMYK	0.77, 0.00, 1.00, 0.00
HSL	106°, 100%, 50%
HSV	106°, 100%, 100%
XYZ	37.5021, 72.4195, 11.9968
YIQ	167.0270, -35.5570, -121.0690

Conversions

Conversions Part 2

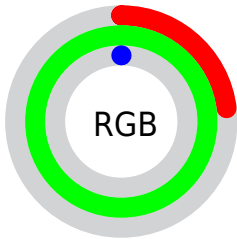
Format	Color
RYB	0, 255, 197
Decimal	3866368
CIELab	88.17, -82.28, 83.72
CIELCh	88, 117.388, 134.503
Yxy	72.4195, 0.3076, 0.5940
Android (android.graphics.Color)	4282056448 (0xFF3AFF00)
YUV	167.0270, -82.3443, -95.6167
Hunter-Lab	85.0996, -70.2622, 51.2115

Details

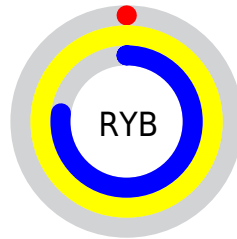
The Yxy color **72.4195, 0.3076, 0.5940** is a dark color, and the websafe version is hex **33FF00**. The color can be described as dark saturated green. A complement of this color would be **19.0968, 0.2629, 0.1222**, and the grayscale version is **39.0725, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.6960, 0.3245, 0.5234**, and **39.9325, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **72.4181, 0.3076, 0.5940**, and if you desaturate by 10%, it is **73.1976, 0.3118, 0.5843**.

Distribution



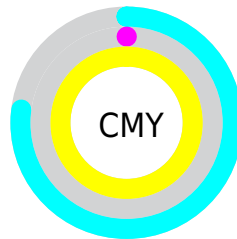
- Red (23%)
- Green (100%)
- Blue (0%)



- Red (0%)
- Yellow (100%)
- Blue (77%)



- Cyan (77%)
- Magenta (0%)
- Yellow (100%)
- Black (0%)





- Cyan (77%)
- Magenta (0%)
- Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 72.4195, 0.3076, 0.5940 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 72.4195, 0.3076, 0.5940 by changing the saturation by 10% instead.


 72.4195, 0.3076,
0.5940


 72.4195, 0.3076,
0.5940


469.0004, 0.3232,
0.4638

 53.5014, 0.3000,
0.6229


 122.6528, 0.3162,
0.5489


 38.2032, 0.2887,
0.6571


 154.7367, 0.3186,
0.5312

 26.1404, 0.2714,
0.6973

 191.9782, 0.3202,
0.5159

 16.9287, 0.2479,
0.7521

 234.7614, 0.3214,
0.5027

 10.1837, 0.2052,
0.7948

 283.4708, 0.3222,
0.4911

 5.5209, 0.1482,
0.8518


 338.4909, 0.3227,

 2.5560, 0.0000,


0.4809


1.0000


400.2060, 0.3230,
0.4719


 0.9046, 0.0000,
1.0000


 0.0000, 0.0000,
0.0000


 72.4195, 0.3076,
0.5940

 72.4195, 0.3076,
0.5940


 72.4181, 0.3076,
0.5940


 73.1976, 0.3118,
0.5843


 74.3203, 0.3156,
0.5676


 75.8353, 0.3185,
0.5437


 77.7784, 0.3203,
0.5143

 80.1809, 0.3208,
0.4815

 83.0711, 0.3204,
0.4477

 86.4749, 0.3191,
0.4145

 90.4163, 0.3173,
0.3833

 94.9176, 0.3151,
0.3547

Harmonies

Analogous

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



72.4195, 0.4240, 0.5465



72.4195, 0.3076, 0.5940



72.4195, 0.1979, 0.4975

Triad

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



72.4195, 0.3076, 0.5940



72.4195, 0.1181, 0.1543



72.4195, 0.5333, 0.2851

Complementary

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



72.4195, 0.3076, 0.5940



19.0968, 0.2629, 0.1222

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.



72.4195, 0.4028, 0.2160



72.4195, 0.3076, 0.5940



72.4195, 0.1669, 0.1452

Square

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



72.4195, 0.3076, 0.5940



72.4195, 0.1047, 0.2046



72.4195, 0.2622, 0.1665



72.4195, 0.5750, 0.3622

Rectangle

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



72.4195, 0.3076, 0.5940



72.4195, 0.1450, 0.3774



72.4195, 0.2622, 0.1665



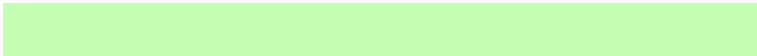
72.4195, 0.4967, 0.2608

Sweetspot

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



72.4181, 0.3076, 0.5940



86.4749, 0.3191, 0.4145



60.5147, 0.4687, 0.4660



18.1883, 0.3198, 0.4283



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.



72.4181, 0.3076, 0.5940



71.9374, 0.2917, 0.5702



20.3672, 0.3150, 0.3533



37.8944, 0.3085, 0.5933



3.7360, 0.3158, 0.5875

Inverse Universe

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



19.0968, 0.2629, 0.1222



24.8479, 0.4042, 0.2000



18.0800, 0.3101, 0.3053



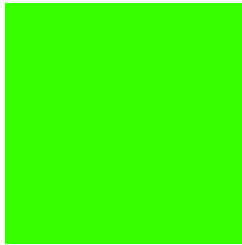
10.0485, 0.2638, 0.1227



1.0268, 0.2706, 0.1265

Previews

White Background



This preview shows how the Yxy color 72.4195, 0.3076, 0.5940 looks on a white background.

Color Contrast Check

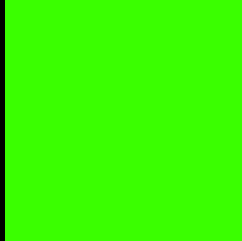
Large Text (above 18pt) WCAG AA × Fail

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 72.4195, 0.3076, 0.5940 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 72.4195, 0.3076, 0.5940

Background



This preview shows how black text looks on a background with the Yxy color 72.4195, 0.3076, 0.5940.



This preview shows how white text looks on a background with the Yxy color 72.4195, 0.3076, 0.5940.

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

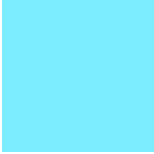
72.4195, 0.3076, 0.5940

Protanopia

70.9606, 0.4403, 0.4886

Deuteranopia

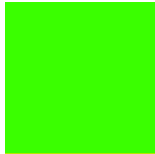
70.4851, 0.3928, 0.3948



Tritanopia

71.4960, 0.2416, 0.3065

Trichromacy



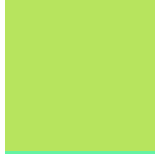
Original Color

72.4195, 0.3076, 0.5940



Protanomaly

67.7428, 0.3775, 0.5384



Deuteranomaly

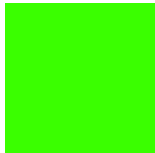
66.3622, 0.3612, 0.4863



Tritanomaly

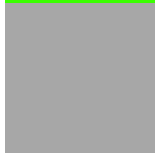
69.4191, 0.2765, 0.4379

Monochromacy



Original Color

72.4195, 0.3076, 0.5940



Achromatopsia

38.6429, 0.3127, 0.3290



Achromatomaly

46.3995, 0.3207, 0.4682

CSS Examples

Text

The CSS property to change the color of the text to Yxy 72.4195, 0.3076, 0.5940 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(58, 255, 0)` looks like.

```
.text, #text, p{  
    color:rgb(58, 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(58, 255, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(58, 255, 0) }
```

Border

The CSS property to change the border of an element to Yxy 72.4195, 0.3076, 0.5940 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(58, 255, 0) }
```

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

```
.border{ border-color:rgb(58, 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(58, 255, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(58, 255, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(58, 255, 0);  
box-shadow:4px 4px 4px 4px rgb(58, 255, 0)  
}
```

Background

The CSS property to change the background color of an element to Yxy 72.4195, 0.3076, 0.5940 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(58, 255, 0) }
```

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

```
.background{ background-color: rgb(58, 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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