

Converting Colors

$Yxy(72.9088, 0.3191, 0.5641)$

Have a look what the booklet for
Yxy(72.9088, 0.3191, 0.5641)
contains.

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Color

Yxy(72.8720, 0.3192, 0.5637)

Conversions

Conversions Part 1

Format	Color
Hex	69FC34
RGB	105, 252, 52
RGB Percent	41%, 99%, 20%
CMY	0.5878, 0.0118, 0.7961
CMYK	0.58, 0.00, 0.79, 0.01
HSL	104°, 97%, 60%
HSV	104°, 79%, 99%
XYZ	41.2644, 72.8720, 15.1380
YIQ	185.2470, -23.4120, -93.3640

Conversions

Conversions Part 2

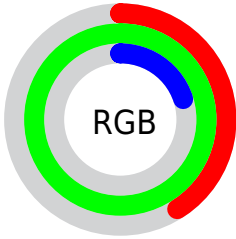
Format	Color
RYB	52, 252, 199
Decimal	6945844
CIELab	88.39, -71.34, 76.37
CIELCh	88, 104.506, 133.051
Yxy	72.8720, 0.3192, 0.5637
Android (android.graphics.Color)	4285135924 (0xFF69FC34)
YUV	185.2470, -65.6908, -70.3766
Hunter-Lab	85.3651, -63.1043, 49.2415

Details

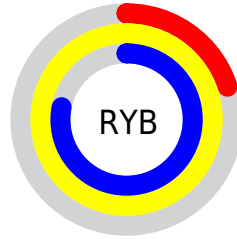
The Yxy color **72.8720, 0.3192, 0.5637** is a dark color, and the websafe version is hex **66FF33**. The color can be described as middle washed chartreuse. A complement of this color would be **21.6108, 0.2679, 0.1368**, and the grayscale version is **49.0589, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.3039, 0.3345, 0.4906**, and **38.6158, 0.3005, 0.5996** is the 20% darker color. If you saturate the color by 10%, you get **71.7027, 0.3152, 0.5810**, and if you desaturate by 10%, it is **74.4124, 0.3220, 0.5396**.

Distribution



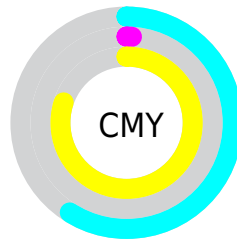
- Red (41%)
- Green (99%)
- Blue (20%)



- Red (20%)
- Yellow (99%)
- Blue (78%)



- Cyan (58%)
- Magenta (0%)
- Yellow (79%)
- Black (1%)




- Cyan (59%)
- Magenta (1%)
- Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 72.8720, 0.3192, 0.5637 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 72.8720, 0.3192, 0.5637 by changing the saturation by 10% instead.


 72.8720, 0.3192,
0.5637

 72.8720, 0.3192,
0.5637

470.5711, 0.3265,
0.4486


 53.8713, 0.3143,
0.5897


 123.2955, 0.3242,
0.5236


 38.4988, 0.3066,
0.6209


 155.4871, 0.3255,
0.5079


 26.3700, 0.2941,
0.6584


 192.8444, 0.3262,
0.4945

 17.1007, 0.2747,
0.7049

 235.7519, 0.3266,
0.4828

 10.3063, 0.2424,
0.7576

 284.5939, 0.3267,
0.4726

 5.6025, 0.1899,
0.8101

339.7548, 0.3267,

 2.6049, 0.0690,

0.4637

0.9310

401.6191, 0.3267,
0.4557

■ 0.9291, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 72.8720, 0.3192,
0.5637

■ 72.8720, 0.3192,
0.5637

■ 71.7027, 0.3152,
0.5810

■ 74.4124, 0.3220,
0.5396

■ 70.8533, 0.3105,
0.5913

■ 76.3462, 0.3235,
0.5103


■ 70.8080, 0.3103,
0.5919


■ 78.7039, 0.3237,
0.4780

■ 81.5107, 0.3227,
0.4446

 84.7892, 0.3208,
0.4119

 88.5608, 0.3184,
0.3812

 92.8454, 0.3155,
0.3529

 97.6617, 0.3125,
0.3275

 98.0979, 0.3128,
0.3261

Harmonies

Analogous

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



72.8720, 0.4261, 0.5269



72.8720, 0.3192, 0.5637



72.8720, 0.2159, 0.4827

Triad

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



72.8720, 0.3192, 0.5637



72.8720, 0.1313, 0.1704



72.8720, 0.5055, 0.2884

Complementary

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



72.8720, 0.3192, 0.5637



21.6108, 0.2679, 0.1368

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.



72.8720, 0.3877, 0.2234



72.8720, 0.3192, 0.5637



72.8720, 0.1762, 0.1591

Square

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



72.8720, 0.3192, 0.5637



72.8720, 0.1207, 0.2218



72.8720, 0.2628, 0.1778



72.8720, 0.5510, 0.3622

Rectangle

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



72.8720, 0.3192, 0.5637



72.8720, 0.1641, 0.3812



72.8720, 0.2628, 0.1778



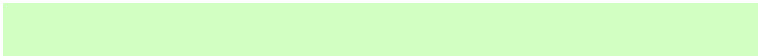
72.8720, 0.4716, 0.2654

Sweetspot

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



72.8751, 0.3192, 0.5637



89.1150, 0.3196, 0.3952



61.6340, 0.4538, 0.4577



18.7843, 0.3204, 0.4063



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.



72.8751, 0.3192, 0.5637



73.1292, 0.3125, 0.5876



71.2422, 0.2889, 0.5351



19.5320, 0.3156, 0.3532



36.9470, 0.3112, 0.5911



3.4713, 0.3195, 0.5845

Inverse Universe

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



21.6108, 0.2679, 0.1368



18.5361, 0.2567, 0.1202



27.5739, 0.3731, 0.1962



17.2792, 0.3095, 0.3053



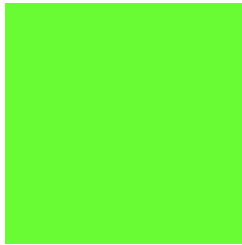
9.1154, 0.2545, 0.1176



0.8958, 0.2627, 0.1221

Previews

White Background



This preview shows how the Yxy color 72.8720, 0.3192, 0.5637 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 72.8720, 0.3192, 0.5637 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

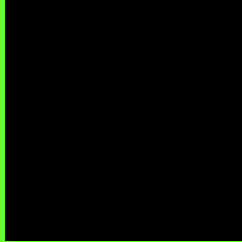
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

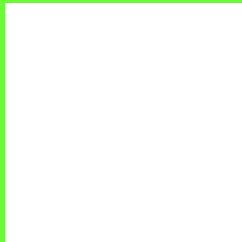
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 72.8720, 0.3192, 0.5637

Background



This preview shows how black text looks on a background with the Yxy color 72.8720, 0.3192, 0.5637.

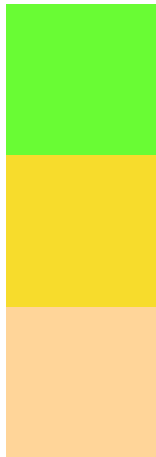


This preview shows how white text looks on a background with the Yxy color 72.8720, 0.3192, 0.5637.

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

72.8720, 0.3192, 0.5637

Protanopia

71.1424, 0.4344, 0.4798

Deuteranopia

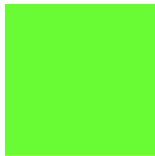
71.1484, 0.3888, 0.3908



Tritanopia

72.5017, 0.2502, 0.3069

Trichromacy



Original Color

72.8720, 0.3192, 0.5637



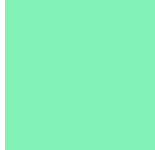
Protanomaly

69.5206, 0.3849, 0.5158



Deuteranomaly

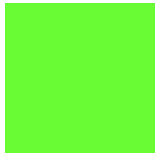
68.4785, 0.3634, 0.4572



Tritanomaly

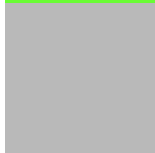
70.9926, 0.2803, 0.4061

Monochromacy



Original Color

72.8720, 0.3192, 0.5637



Achromatopsia

48.5150, 0.3127, 0.3290



Achromatomaly

54.4750, 0.3217, 0.4272

CSS Examples

Text

The CSS property to change the color of the text to Yxy 72.8720, 0.3192, 0.5637 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(105, 252, 52)` looks like.

```
.text, #text, p{  
    color:rgb(105, 252, 52)  
}
```

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(105, 252, 52) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(105, 252, 52) }
```

Border

The CSS property to change the border of an element to Yxy 72.8720, 0.3192, 0.5637 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(105, 252, 52) }
```

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

```
.border{ border-color:rgb(105, 252, 52) }
```

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

Here you see how a box with a 4 pixel `rgb(105, 252, 52)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(105, 252, 52); -webkit-box-  
shadow:4px 4px 4px 4px rgb(105, 252, 52);  
box-shadow:4px 4px 4px 4px rgb(105, 252,  
52) }
```


Background

The CSS property to change the background color of an element to Yxy 72.8720, 0.3192, 0.5637 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(105, 252, 52) }
```

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

```
.background{ background-color: rgb(105,  
252, 52) }
```

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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