

Converting Colors

Yxy(68.2256, 0.3342, 0.5493)

Have a look what the booklet for
Yxy(68.2256, 0.3342, 0.5493)
contains.

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Color

Yxy(67.9228, 0.3342, 0.5492)

Conversions

Conversions Part 1

Format	Color
Hex	82F136
RGB	130, 241, 54
RGB Percent	51%, 95%, 21%
CMY	0.4900, 0.0549, 0.7882
CMYK	0.46, 0.00, 0.78, 0.05
HSL	96°, 87%, 58%
HSV	96°, 78%, 95%
XYZ	41.3325, 67.9228, 14.4206
YIQ	186.4930, -6.1290, -81.6890

Conversions

Conversions Part 2

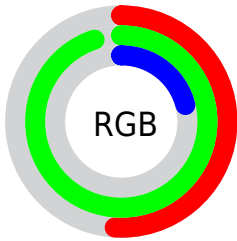
Format	Color
RYB	54, 241, 165
Decimal	8581430
CIELab	85.97, -60.71, 73.86
CIELCh	86, 95.607, 129.417
Yxy	67.9228, 0.3342, 0.5492
Android (android.graphics.Color)	4286771510 (0xFF82F136)
YUV	186.4930, -65.3190, -49.5444
Hunter-Lab	82.4153, -54.7064, 47.3164

Details

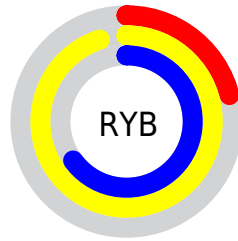
The Yxy color **67.9228, 0.3342, 0.5492** is a dark color, and the websafe version is hex **99FF33**. The color can be described as middle washed chartreuse. A complement of this color would be **16.9824, 0.2432, 0.1263**, and the grayscale version is **49.7785, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.8342, 0.3480, 0.4835**, and **35.4392, 0.3197, 0.5844** is the 20% darker color. If you saturate the color by 10%, you get **66.6988, 0.3304, 0.5671**, and if you desaturate by 10%, it is **69.4218, 0.3361, 0.5255**.

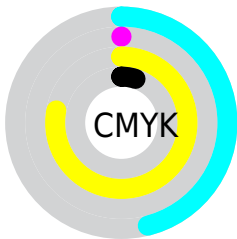
Distribution



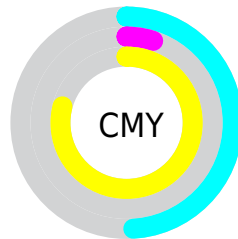
- Red (51%)
- Green (95%)
- Blue (21%)



- Red (21%)
- Yellow (95%)
- Blue (65%)



- Cyan (46%)
- Magenta (0%)
- Yellow (78%)
- Black (5%)




- Cyan (49%)
- Magenta (5%)
- Yellow (79%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 67.9228, 0.3342, 0.5492 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 67.9228, 0.3342, 0.5492 by changing the saturation by 10% instead.

 67.9228, 0.3342,
0.5492


 67.9228, 0.3342,
0.5492


453.2224, 0.3336,
0.4412


 49.8349, 0.3311,
0.5736


 116.2417, 0.3364,
0.5115


 35.2823, 0.3256,
0.6030


 147.2415, 0.3366,
0.4968

 23.8804, 0.3156,
0.6383


 183.3141, 0.3364,
0.4842

 15.2449, 0.2997,
0.6834

 224.8439, 0.3360,
0.4732

 8.9915, 0.2691,
0.7309

 272.2152, 0.3354,
0.4637

 4.7356, 0.2180,
0.7820

325.8125, 0.3349,

 2.0930, 0.0865,

0.4553

0.9135

386.0201, 0.3343,
0.4478

0.6607, 0.0000,
1.0000

0.0000, 0.0000,
0.0000

67.9228, 0.3342,
0.5492

67.9228, 0.3342,
0.5492

66.6988, 0.3304,
0.5671

69.4218, 0.3361,
0.5255

65.7153, 0.3251,
0.5789


71.2077, 0.3360,
0.4975


65.5070, 0.3237,
0.5811


73.3017, 0.3342,
0.4669

75.7200, 0.3310,
0.4355

 78.4779, 0.3268,
0.4046

 81.5892, 0.3219,
0.3753

 85.0671, 0.3167,
0.3480

 88.9241, 0.3115,
0.3233

 91.3897, 0.3133,
0.3156

Harmonies

Analogous

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



67.9228, 0.4348, 0.5099



67.9228, 0.3342, 0.5492



67.9228, 0.2335, 0.4863

Triad

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



67.9228, 0.3342, 0.5492



67.9228, 0.1363, 0.1821



67.9228, 0.4830, 0.2836

Complementary

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



67.9228, 0.3342, 0.5492



16.9824, 0.2432, 0.1263

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.



67.9228, 0.3685, 0.2223



67.9228, 0.3342, 0.5492



67.9228, 0.1758, 0.1665

Square

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



67.9228, 0.3342, 0.5492



67.9228, 0.1304, 0.2382



67.9228, 0.2539, 0.1812



67.9228, 0.5371, 0.3546

Rectangle

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



67.9228, 0.3342, 0.5492



67.9228, 0.1803, 0.3958



67.9228, 0.2539, 0.1812



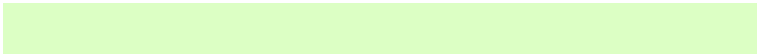
67.9228, 0.4488, 0.2616

Sweetspot

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



67.9257, 0.3342, 0.5492



90.7687, 0.3246, 0.3911



45.1901, 0.4775, 0.4311



19.1612, 0.3263, 0.4019



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.



67.9257, 0.3342, 0.5492



75.1605, 0.3275, 0.5745



64.1308, 0.2975, 0.5601



17.9702, 0.3177, 0.3530



35.5976, 0.3249, 0.5802



3.0180, 0.3352, 0.5721

Inverse Universe

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



16.9824, 0.2432, 0.1263



14.9731, 0.2267, 0.1045



26.7975, 0.3370, 0.1763



15.6923, 0.3073, 0.3053



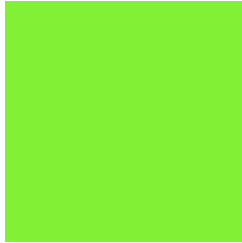
6.6908, 0.2217, 0.0995



0.6146, 0.2345, 0.1065

Previews

White Background



This preview shows how the Yxy color 67.9228, 0.3342, 0.5492 looks on a white background.

Color Contrast Check

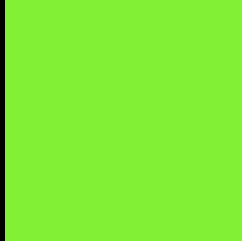
Large Text (above 18pt) WCAG AA × Fail

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 67.9228, 0.3342, 0.5492 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

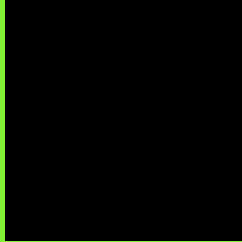
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

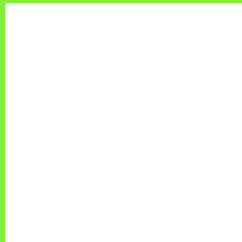
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 67.9228, 0.3342, 0.5492

Background



This preview shows how black text looks on a background with the Yxy color 67.9228, 0.3342, 0.5492.



This preview shows how white text looks on a background with the Yxy color 67.9228, 0.3342, 0.5492.

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

67.9228, 0.3342, 0.5492

Protanopia

66.8236, 0.4330, 0.4783

Deuteranopia

66.9090, 0.4113, 0.4102



Tritanopia

67.6924, 0.2610, 0.3078

Trichromacy



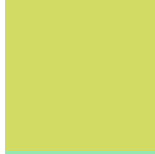
Original Color

67.9228, 0.3342, 0.5492



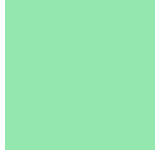
Protanomaly

65.8210, 0.3930, 0.5067



Deuteranomaly

65.2848, 0.3837, 0.4620



Tritanomaly

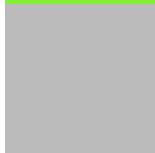
66.5037, 0.2930, 0.4024

Monochromacy



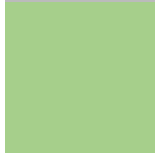
Original Color

67.9228, 0.3342, 0.5492



Achromatopsia

49.6933, 0.3127, 0.3290



Achromatomaly

54.5967, 0.3284, 0.4199

CSS Examples

Text

The CSS property to change the color of the text to Yxy 67.9228, 0.3342, 0.5492 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(130, 241, 54)` looks like.

```
.text, #text, p{  
    color:rgb(130, 241, 54)  
}
```

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(130, 241, 54) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 241, 54) }
```

Border

The CSS property to change the border of an element to Yxy 67.9228, 0.3342, 0.5492 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(130, 241, 54) }
```

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

```
.border{ border-color:rgb(130, 241, 54) }
```

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

Here you see how a box with a 4 pixel `rgb(130, 241, 54)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(130, 241, 54); -webkit-box-  
shadow:4px 4px 4px 4px rgb(130, 241, 54);  
box-shadow:4px 4px 4px 4px rgb(130, 241,  
54) }
```


Background

The CSS property to change the background color of an element to Yxy 67.9228, 0.3342, 0.5492 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 241, 54) }
```

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

```
.background{ background-color: rgb(130,  
241, 54) }
```

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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