

Converting Colors

$Yxy(69.9055, 0.3451, 0.5528)$

Have a look what the booklet for
Yxy(69.9055, 0.3451, 0.5528)
contains.

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Color

Yxy(70.0744, 0.3448, 0.5528)

Conversions

Conversions Part 1

Format	Color
Hex	8FF325
RGB	143, 243, 37
RGB Percent	56%, 95%, 15%
CMY	0.4394, 0.0470, 0.8545
CMYK	0.41, 0.00, 0.85, 0.05
HSL	89°, 90%, 55%
HSV	89°, 85%, 95%
XYZ	43.7078, 70.0744, 12.9805
YIQ	189.6160, 6.5260, -85.2660

Conversions

Conversions Part 2

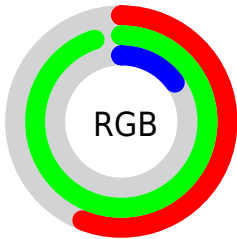
Format	Color
RYB	37, 243, 137
Decimal	9433893
CIELab	87.03, -58.18, 79.21
CIELCh	87, 98.280, 126.296
Yxy	70.0744, 0.3448, 0.5528
Android (android.graphics.Color)	4287623973 (0xFF8FF325)
YUV	189.6160, -75.2397, -40.8822
Hunter-Lab	83.7105, -53.2930, 49.4036

Details

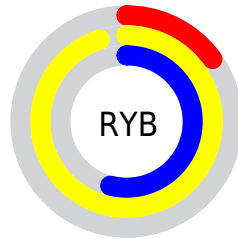
The Yxy color **70.0744, 0.3448, 0.5528** is a dark color, and the websafe version is hex **99FF33**. The color can be described as middle washed chartreuse. A complement of this color would be **13.1343, 0.2154, 0.1041**, and the grayscale version is **51.7010, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.2160, 0.3607, 0.4888**, and **36.8671, 0.3282, 0.5776** is the 20% darker color. If you saturate the color by 10%, you get **68.9731, 0.3403, 0.5654**, and if you desaturate by 10%, it is **71.3942, 0.3472, 0.5345**.

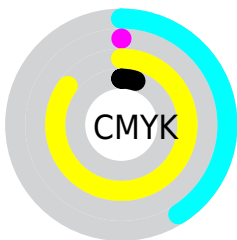
Distribution



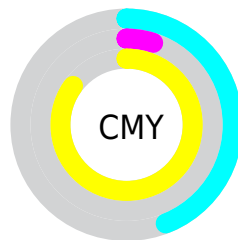
- Red (56%)
- Green (95%)
- Blue (15%)



- Red (15%)
- Yellow (95%)
- Blue (54%)



- Cyan (41%)
- Magenta (0%)
- Yellow (85%)
- Black (5%)





- Cyan (44%)
- Magenta (5%)
- Yellow (85%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 70.0744, 0.3448, 0.5528 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 70.0744, 0.3448, 0.5528 by changing the saturation by 10% instead.


 70.0744, 0.3448,
0.5528


 70.0744, 0.3448,
0.5528


460.8112, 0.3404,
0.4451

 51.5872, 0.3423,
0.5763


 119.3148, 0.3460,
0.5158

 36.6761, 0.3372,
0.6041


 150.8369, 0.3456,
0.5012

 24.9568, 0.3279,
0.6368


 187.4726, 0.3450,
0.4886

 16.0449, 0.3139,
0.6805

 229.6065, 0.3441,
0.4776

 9.5559, 0.2825,
0.7175

 277.6229, 0.3432,
0.4680

 5.1055, 0.2351,
0.7649


331.9062, 0.3423,

 2.3093, 0.1388,


0.4595


0.8612


392.8409, 0.3413,
0.4519


 0.7786, 0.0000,
1.0000


 0.0000, 0.0000,
0.0000


 70.0744, 0.3448,
0.5528

 70.0744, 0.3448,
0.5528


 68.9731, 0.3403,
0.5654


 71.3942, 0.3472,
0.5345

 68.4616, 0.3374,
0.5703


 72.9439, 0.3473,
0.5111

 74.7439, 0.3452,
0.4840


 76.8093, 0.3413,
0.4547

 79.1540, 0.3360,
0.4247

 81.7904, 0.3298,
0.3951

 84.7303, 0.3230,
0.3669

 87.9845, 0.3160,
0.3407

 91.5106, 0.3096,
0.3174

Harmonies

Analogous

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



70.0744, 0.4454, 0.5045



70.0744, 0.3448, 0.5528



70.0744, 0.2417, 0.5016

Triad

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



70.0744, 0.3448, 0.5528



70.0744, 0.1321, 0.1838



70.0744, 0.4757, 0.2756

Complementary

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



70.0744, 0.3448, 0.5528



13.1343, 0.2154, 0.1041

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.



70.0744, 0.3561, 0.2154



70.0744, 0.3448, 0.5528



70.0744, 0.1681, 0.1646

Square

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



70.0744, 0.3448, 0.5528



70.0744, 0.1294, 0.2454



70.0744, 0.2427, 0.1765



70.0744, 0.5388, 0.3465

Rectangle

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



70.0744, 0.3448, 0.5528



70.0744, 0.1853, 0.4122



70.0744, 0.2427, 0.1765



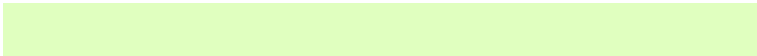
70.0744, 0.4390, 0.2539

Sweetspot

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



70.0774, 0.3448, 0.5528



91.1433, 0.3300, 0.3961



36.9770, 0.5154, 0.4125



19.2794, 0.3323, 0.4064



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.



70.0774, 0.3448, 0.5528



76.3520, 0.3372, 0.5705



64.7039, 0.3013, 0.5856



18.8908, 0.3194, 0.3529



37.6512, 0.3385, 0.5694



3.3703, 0.3478, 0.5620

Inverse Universe

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



13.1343, 0.2154, 0.1041



11.4988, 0.1977, 0.0863



26.2534, 0.3171, 0.1582



16.3219, 0.3056, 0.3051



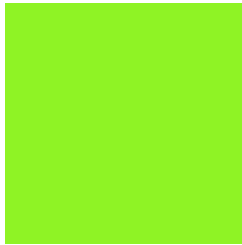
5.7483, 0.1996, 0.0873



0.5661, 0.2132, 0.0948

Previews

White Background



This preview shows how the Yxy color 70.0744, 0.3448, 0.5528 looks on a white background.

Color Contrast Check

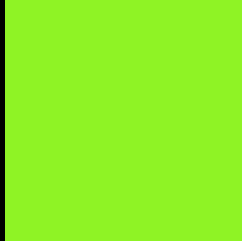
Large Text (above 18pt) WCAG AA × Fail

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 70.0744, 0.3448, 0.5528 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 70.0744, 0.3448, 0.5528

Background



This preview shows how black text looks on a background with the Yxy color 70.0744, 0.3448, 0.5528.

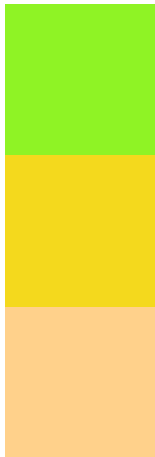


This preview shows how white text looks on a background with the Yxy color 70.0744, 0.3448, 0.5528.

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

70.0744, 0.3448, 0.5528

Protanopia

68.9475, 0.4376, 0.4839

Deuteranopia

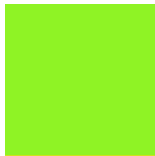
68.7250, 0.4006, 0.4007



Tritanopia

69.4704, 0.2666, 0.3082

Trichromacy



Original Color

70.0744, 0.3448, 0.5528



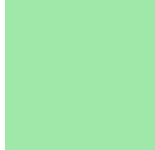
Protanomaly

67.7624, 0.4011, 0.5111



Deuteranomaly

66.9684, 0.3848, 0.4603



Tritanomaly

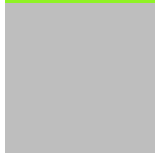
68.0514, 0.3033, 0.4085

Monochromacy



Original Color

70.0744, 0.3448, 0.5528



Achromatopsia

51.4918, 0.3127, 0.3290



Achromatomaly

56.2064, 0.3369, 0.4271

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.0744, 0.3448, 0.5528 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(143, 243, 37)` looks like.

```
.text, #text, p{  
    color:rgb(143, 243, 37)  
}
```

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(143, 243, 37) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(143, 243, 37) }
```

Border

The CSS property to change the border of an element to Yxy 70.0744, 0.3448, 0.5528 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(143, 243, 37) }
```

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

```
.border{ border-color:rgb(143, 243, 37) }
```

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

Here you see how a box with a 4 pixel `rgb(143, 243, 37)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(143, 243, 37); -webkit-box-  
shadow:4px 4px 4px 4px rgb(143, 243, 37);  
box-shadow:4px 4px 4px 4px rgb(143, 243,  
37) }
```


Background

The CSS property to change the background color of an element to Yxy 70.0744, 0.3448, 0.5528 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(143, 243, 37) }
```

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

```
.background{ background-color: rgb(143,  
243, 37) }
```

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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