

Converting Colors

$Y_{xy}(72.3375, 0.3327, 0.5280)$

Have a look what the booklet for
Yxy(72.3375, 0.3327, 0.5280)
contains.

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Color

Yxy(72.2415, 0.3327, 0.5276)

Conversions

Conversions Part 1

Format	Color
Hex	8EF650
RGB	142, 246, 80
RGB Percent	56%, 96%, 31%
CMY	0.4432, 0.0353, 0.6863
CMYK	0.42, 0.00, 0.67, 0.04
HSL	98°, 90%, 64%
HSV	98°, 67%, 96%
XYZ	45.5549, 72.2415, 19.1284
YIQ	195.9800, -8.6980, -73.6740

Conversions

Conversions Part 2

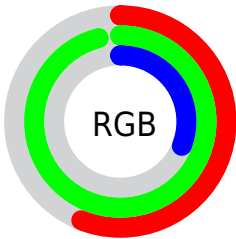
Format	Color
R_{YB}	80, 246, 184
Decimal	9369168
CIE _{Lab}	88.08, -57.35, 67.44
CIE _{LCh}	88, 88.529, 130.375
Yxy	72.2415, 0.3327, 0.5276
Android (android.graphics.Color)	4287559248 (0xFF8EF650)
YUV	195.9800, -57.1781, -47.3405
Hunter-Lab	84.9950, -53.0704, 46.1531

Details

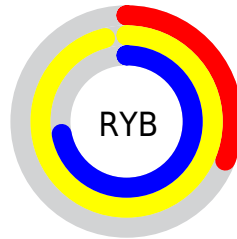
The Yxy color **72.2415, 0.3327, 0.5276** is a light color, and the websafe version is hex **99FF66**. The color can be described as light muted chartreuse. A complement of this color would be **22.5826, 0.2595, 0.1492**, and the grayscale version is **55.5395, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.8827, 0.3450, 0.4584**, and **38.1555, 0.3268, 0.5769** is the 20% darker color. If you saturate the color by 10%, you get **70.6749, 0.3306, 0.5518**, and if you desaturate by 10%, it is **74.1359, 0.3330, 0.4990**.

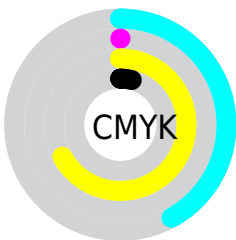
Distribution



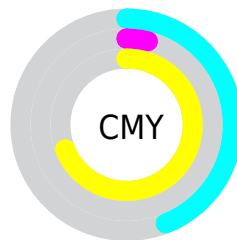
- Red (56%)
- Green (96%)
- Blue (31%)



- Red (31%)
- Yellow (96%)
- Blue (72%)



- Cyan (42%)
- Magenta (0%)
- Yellow (67%)
- Black (4%)





- Cyan (44%)
- Magenta (4%)
- Yellow (69%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 72.2415, 0.3327, 0.5276 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 72.2415, 0.3327, 0.5276 by changing the saturation by 10% instead.


 72.2415, 0.3327,
0.5276


 72.2415, 0.3327,
0.5276


468.3817, 0.3307,
0.4306

 53.3560, 0.3308,
0.5498

 122.3998, 0.3338,
0.4936


 38.0870, 0.3270,
0.5769


 154.4414, 0.3337,
0.4804

 26.0502, 0.3202,
0.6100


 191.6371, 0.3334,
0.4691

 16.8612, 0.3076,
0.6505

 234.3714, 0.3330,
0.4593

 10.1356, 0.2895,
0.7105

283.0286, 0.3324,
0.4508

 5.4890, 0.2444,
0.7556

337.9931, 0.3319,

 2.5369, 0.1655,

0.4432

0.8345

399.6494, 0.3313,
0.4366

0.8951, 0.0000,
1.0000

0.0000, 0.0000,
0.0000

72.2415, 0.3327,
0.5276

72.2415, 0.3327,
0.5276

70.6749, 0.3306,
0.5518

74.1359, 0.3330,
0.4990

69.4037, 0.3267,
0.5700

76.3692, 0.3316,
0.4679

68.4028, 0.3214,
0.5818

78.9627, 0.3289,
0.4360

68.1850, 0.3200,
0.5841

81.9333, 0.3252,
0.4047

 85.2967, 0.3209,
0.3751

 89.0677, 0.3163,
0.3478

 93.2602, 0.3115,
0.3230

 94.3974, 0.3131,
0.3204

Harmonies

Analogous

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



72.2415, 0.4261, 0.4997



72.2415, 0.3327, 0.5276



72.2415, 0.2391, 0.4662

Triad

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



72.2415, 0.3327, 0.5276



72.2415, 0.1489, 0.1925



72.2415, 0.4702, 0.2905

Complementary

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



72.2415, 0.3327, 0.5276



22.5826, 0.2595, 0.1492

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.



72.2415, 0.3678, 0.2320



72.2415, 0.3327, 0.5276



72.2415, 0.1877, 0.1778

Square

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



72.2415, 0.3327, 0.5276



72.2415, 0.1427, 0.2448



72.2415, 0.2623, 0.1923



72.2415, 0.5186, 0.3584

Rectangle

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



72.2415, 0.3327, 0.5276



72.2415, 0.1897, 0.3860



72.2415, 0.2623, 0.1923



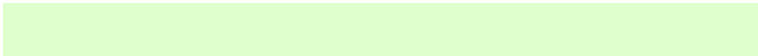
72.2415, 0.4398, 0.2696

Sweetspot

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



72.2446, 0.3327, 0.5276



91.5742, 0.3220, 0.3825



53.7798, 0.4499, 0.4301



19.3780, 0.3233, 0.3908



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.



72.2446, 0.3327, 0.5276



76.1400, 0.3293, 0.5592



68.5298, 0.2961, 0.5265



18.7733, 0.3172, 0.3531



36.4647, 0.3212, 0.5832



3.2615, 0.3308, 0.5755

Inverse Universe

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



22.5826, 0.2595, 0.1492



18.8220, 0.2456, 0.1234



30.8558, 0.3396, 0.1916



16.4412, 0.3078, 0.3052



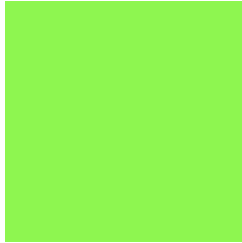
7.3092, 0.2291, 0.1036



0.7009, 0.2405, 0.1099

Previews

White Background



This preview shows how the Yxy color 72.2415, 0.3327, 0.5276 looks on a white background.

Color Contrast Check

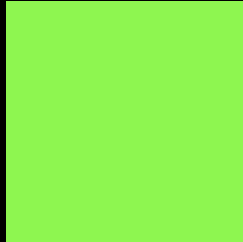
Large Text (above 18pt) WCAG AA × Fail

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 72.2415, 0.3327, 0.5276 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

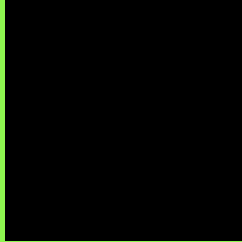
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

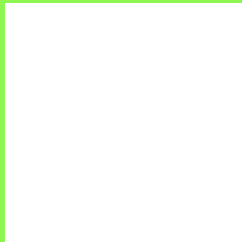
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 72.2415, 0.3327, 0.5276

Background



This preview shows how black text looks on a background with the Yxy color 72.2415, 0.3327, 0.5276.

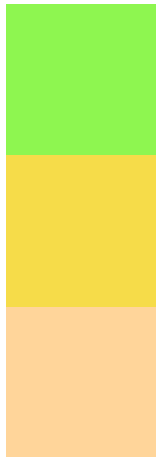


This preview shows how white text looks on a background with the Yxy color 72.2415, 0.3327, 0.5276.

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

72.2415, 0.3327, 0.5276

Protanopia

71.2603, 0.4244, 0.4667

Deuteranopia

71.1816, 0.3880, 0.3898



Tritanopia

71.8060, 0.2646, 0.3084

Trichromacy



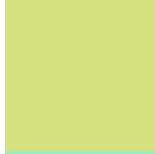
Original Color

72.2415, 0.3327, 0.5276



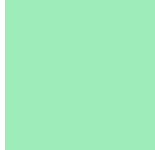
Protanomaly

69.9703, 0.3877, 0.4902



Deuteranomaly

69.6789, 0.3687, 0.4393



Tritanomaly

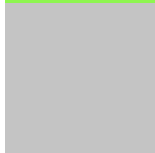
70.9497, 0.2925, 0.3896

Monochromacy



Original Color

72.2415, 0.3327, 0.5276



Achromatopsia

55.2011, 0.3127, 0.3290



Achromatomaly

59.6563, 0.3250, 0.4058

CSS Examples

Text

The CSS property to change the color of the text to Yxy 72.2415, 0.3327, 0.5276 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(142, 246, 80)` looks like.

```
.text, #text, p{  
    color:rgb(142, 246, 80)  
}
```

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(142, 246, 80) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(142, 246, 80) }
```

Border

The CSS property to change the border of an element to Yxy 72.2415, 0.3327, 0.5276 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(142, 246, 80) }
```

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

```
.border{ border-color:rgb(142, 246, 80) }
```

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

Here you see how a box with a 4 pixel `rgb(142, 246, 80)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(142, 246, 80); -webkit-box-  
shadow:4px 4px 4px 4px rgb(142, 246, 80);  
box-shadow:4px 4px 4px 4px rgb(142, 246,  
80) }
```


Background

The CSS property to change the background color of an element to Yxy 72.2415, 0.3327, 0.5276 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(142, 246, 80) }
```

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

```
.background{ background-color: rgb(142,  
246, 80) }
```

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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