

Converting Colors

$Y_{xy}(77.7392, 0.3215, 0.5171)$

Have a look what the booklet for
Yxy(77.7392, 0.3215, 0.5171)
contains.

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Color

Yxy(77.7392, 0.3215, 0.5171)

Conversions

Conversions Part 1

Format	Color
Hex	89FF63
RGB	137, 255, 99
RGB Percent	54%, 100%, 39%
CMY	0.4626, 0.0000, 0.6117
CMYK	0.46, 0.00, 0.61, 0.00
HSL	105°, 100%, 69%
HSV	105°, 61%, 100%
XYZ	48.3333, 77.7392, 24.2644
YIQ	201.9340, -20.2520, -73.5320

Conversions

Conversions Part 2

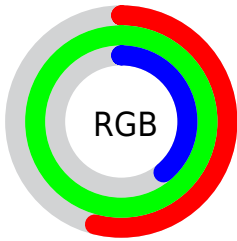
Format	Color
RYB	99, 255, 217
Decimal	9043811
CIELab	90.66, -60.65, 62.64
CIELCh	91, 87.195, 134.075
Yxy	77.7392, 0.3215, 0.5171
Android (android.graphics.Color)	4287233891 (0xFF89FF63)
YUV	201.9340, -50.7465, -56.9471
Hunter-Lab	88.1698, -56.4463, 45.4023

Details

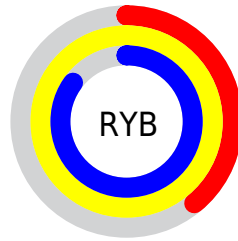
The Yxy color **77.7392, 0.3215, 0.5171** is a light color, and the websafe version is hex **99FF66**. A complement of this color would be **30.8946, 0.2842, 0.1717**, and the grayscale version is **59.3590, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.7569, 0.3325, 0.4407**, and **41.5484, 0.3149, 0.5643** is the 20% darker color. If you saturate the color by 10%, you get **75.8420, 0.3197, 0.5458**, and if you desaturate by 10%, it is **80.0882, 0.3221, 0.4848**.

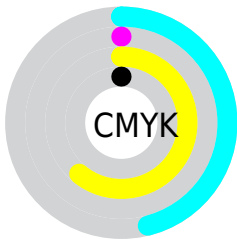
Distribution



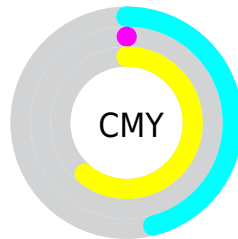
- Red (54%)
- Green (100%)
- Blue (39%)



- Red (39%)
- Yellow (100%)
- Blue (85%)



- Cyan (46%)
- Magenta (0%)
- Yellow (61%)
- Black (0%)




- Cyan (46%)
- Magenta (0%)
- Yellow (61%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 77.7392, 0.3215, 0.5171 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 77.7392, 0.3215, 0.5171 by changing the saturation by 10% instead.


 77.7392, 0.3215,
0.5171


 77.7392, 0.3215,
0.5171


487.2807, 0.3236,
0.4254

 57.8598, 0.3192,
0.5383

 130.1824, 0.3237,
0.4849

 41.6959, 0.3153,
0.5644


 163.5150, 0.3241,
0.4724

 28.8633, 0.3087,
0.5967


 202.1007, 0.3243,
0.4617

 18.9774, 0.2974,
0.6373

 246.3240, 0.3243,
0.4525

 11.6540, 0.2787,
0.6904

296.5692, 0.3242,
0.4444

 6.5085, 0.2446,
0.7554


353.2208, 0.3240,


 3.1567, 0.1801,

0.4373

0.8199


416.6632, 0.3238,
0.4310


 1.2141, 0.0000,
1.0000


 0.0732, 0.0000,
1.0000


 77.7392, 0.3215,
0.5171

 77.7392, 0.3215,
0.5171


 75.8420, 0.3197,
0.5458

 80.0882, 0.3221,
0.4848


 74.3562, 0.3166,
0.5689

 82.9065, 0.3216,
0.4512

 73.2500, 0.3125,
0.5848

 86.2226, 0.3201,
0.4181

 72.5492, 0.3087,
0.5931

 90.0599, 0.3181,
0.3867

 94.4399, 0.3157,
0.3578

 99.3833, 0.3130,
0.3319

100.0000, 0.3127,
0.3290

Harmonies

Analogous

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



77.7392, 0.4132, 0.5009



77.7392, 0.3215, 0.5171



77.7392, 0.2323, 0.4472

Triad

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



77.7392, 0.3215, 0.5171



77.7392, 0.1566, 0.1934



77.7392, 0.4735, 0.3002

Complementary

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



77.7392, 0.3215, 0.5171



30.8946, 0.2842, 0.1717

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.



77.7392, 0.3793, 0.2414



77.7392, 0.3215, 0.5171



77.7392, 0.1987, 0.1826

Square

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



77.7392, 0.3215, 0.5171



77.7392, 0.1468, 0.2396



77.7392, 0.2756, 0.1999



77.7392, 0.5122, 0.3674

Rectangle

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



77.7392, 0.3215, 0.5171



77.7392, 0.1870, 0.3691



77.7392, 0.2756, 0.1999



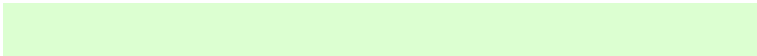
77.7392, 0.4464, 0.2793

Sweetspot

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



77.7425, 0.3215, 0.5171



91.3891, 0.3174, 0.3773



71.2746, 0.4219, 0.4419



19.2995, 0.3181, 0.3859



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.



77.7425, 0.3215, 0.5171



75.5403, 0.3192, 0.5505



76.0087, 0.2883, 0.4816



20.3819, 0.3153, 0.3533



37.9660, 0.3096, 0.5924



3.7448, 0.3171, 0.5864

Inverse Universe

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



30.8946, 0.2842, 0.1717



25.1046, 0.2764, 0.1488



35.1443, 0.3588, 0.2170



18.0643, 0.3099, 0.3053



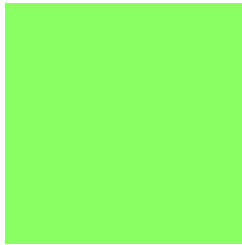
9.7590, 0.2598, 0.1205



1.0008, 0.2670, 0.1245

Previews

White Background



This preview shows how the Yxy color 77.7392, 0.3215, 0.5171 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 77.7392, 0.3215, 0.5171 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

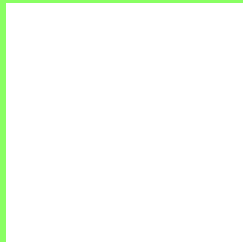
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 77.7392, 0.3215, 0.5171

Background



This preview shows how black text looks on a background with the Yxy color 77.7392, 0.3215, 0.5171.

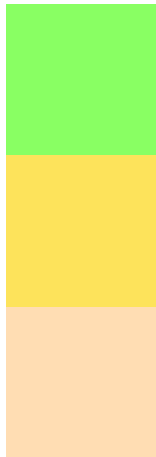


This preview shows how white text looks on a background with the Yxy color 77.7392, 0.3215, 0.5171.

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

77.7392, 0.3215, 0.5171

Protanopia

76.5761, 0.4173, 0.4573

Deuteranopia

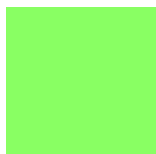
76.2276, 0.3672, 0.3721



Tritanopia

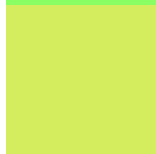
77.3677, 0.2648, 0.3101

Trichromacy



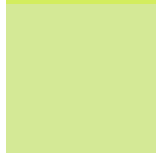
Original Color

77.7392, 0.3215, 0.5171



Protanomaly

75.2254, 0.3784, 0.4810



Deuteranomaly

74.4769, 0.3506, 0.4226



Tritanomaly

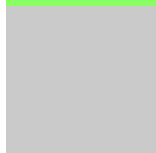
76.3557, 0.2880, 0.3842

Monochromacy



Original Color

77.7392, 0.3215, 0.5171



Achromatopsia

59.0619, 0.3127, 0.3290



Achromatomaly

63.8945, 0.3185, 0.3990

CSS Examples

Text

The CSS property to change the color of the text to Yxy 77.7392, 0.3215, 0.5171 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(137, 255, 99)` looks like.

```
.text, #text, p{  
    color:rgb(137, 255, 99)  
}
```

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(137, 255, 99) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 255, 99) }
```

Border

The CSS property to change the border of an element to Yxy 77.7392, 0.3215, 0.5171 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(137, 255, 99) }
```

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

```
.border{ border-color:rgb(137, 255, 99) }
```

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

Here you see how a box with a 4 pixel `rgb(137, 255, 99)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 255, 99); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 255, 99);  
box-shadow:4px 4px 4px 4px rgb(137, 255,  
99) }
```


Background

The CSS property to change the background color of an element to Yxy 77.7392, 0.3215, 0.5171 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 255, 99) }
```

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

```
.background{ background-color: rgb(137,  
255, 99) }
```

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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