

Converting Colors

Yxy(77.3852, 0.3226, 0.5248)

Have a look what the booklet for
Yxy(77.3852, 0.3226, 0.5248)
contains.

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Color

Yxy(77.3610, 0.3223, 0.5247)

Conversions

Conversions Part 1

Format	Color
Hex	86FF5C
RGB	134, 255, 92
RGB Percent	53%, 100%, 36%
CMY	0.4747, 0.0000, 0.6391
CMYK	0.47, 0.00, 0.64, 0.00
HSL	105°, 100%, 68%
HSV	105°, 64%, 100%
XYZ	47.5194, 77.3610, 22.5581
YIQ	200.2390, -19.7930, -76.3450

Conversions

Conversions Part 2

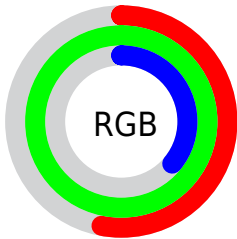
Format	Color
RYB	92, 255, 213
Decimal	8847196
CIELab	90.49, -62.16, 65.26
CIELCh	90, 90.122, 133.608
Yxy	77.3610, 0.3223, 0.5247
Android (android.graphics.Color)	4287037276 (0xFF86FF5C)
YUV	200.2390, -53.3618, -58.0916
Hunter-Lab	87.9551, -57.4834, 46.3623

Details

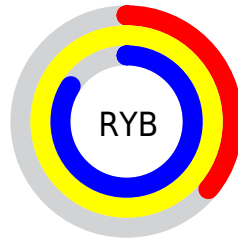
The Yxy color **77.3610, 0.3223, 0.5247** is a light color, and the websafe version is hex **99FF66**. The color can be described as light muted chartreuse. A complement of this color would be **29.0353, 0.2804, 0.1650**, and the grayscale version is **58.2524, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.1275, 0.3342, 0.4490**, and **41.3283, 0.3154, 0.5735** is the 20% darker color. If you saturate the color by 10%, you get **75.5660, 0.3202, 0.5519**, and if you desaturate by 10%, it is **79.5794, 0.3231, 0.4933**.

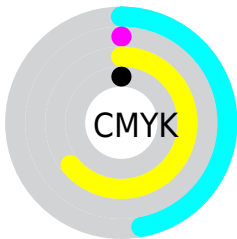
Distribution



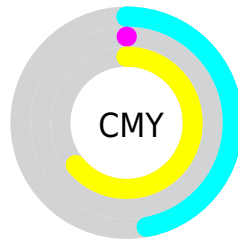
- Red (53%)
- Green (100%)
- Blue (36%)



- Red (36%)
- Yellow (100%)
- Blue (84%)



- Cyan (47%)
- Magenta (0%)
- Yellow (64%)
- Black (0%)





- Cyan (47%)
- Magenta (0%)
- Yellow (64%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 77.3610, 0.3223, 0.5247 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 77.3610, 0.3223, 0.5247 by changing the saturation by 10% instead.

 77.3610, 0.3223,
0.5247


 77.3610, 0.3223,
0.5247


485.9940, 0.3246,
0.4293


 57.5492, 0.3197,
0.5467


 129.6489, 0.3247,
0.4912

 41.4463, 0.3154,
0.5735


 162.8939, 0.3252,
0.4783

 28.6680, 0.3081,
0.6067

 201.3853, 0.3254,
0.4672

 18.8298, 0.2957,
0.6479

 245.5077, 0.3254,
0.4575

 11.5474, 0.2764,
0.7042

295.6453, 0.3253,
0.4491

 6.4363, 0.2378,
0.7622


352.1827, 0.3251,


 3.1121, 0.1702,


0.4417


0.8298


415.5041, 0.3249,
0.4352


 1.1906, 0.0000,
1.0000


 0.0540, 0.0000,
1.0000


 77.3610, 0.3223,
0.5247

 77.3610, 0.3223,
0.5247


 75.5660, 0.3202,
0.5519


 79.5794, 0.3231,
0.4933


 74.1716, 0.3167,
0.5731


 82.2564, 0.3227,
0.4601

 73.1398, 0.3124,
0.5870

 85.4144, 0.3213,
0.4268

 72.6648, 0.3096,
0.5924

 89.0763, 0.3192,
0.3950

 93.2636, 0.3167,
0.3654

 97.9966, 0.3139,
0.3387

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.



77.3610, 0.4164, 0.5049



77.3610, 0.3223, 0.5247



77.3610, 0.2305, 0.4537

Triad

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



77.3610, 0.3223, 0.5247



77.3610, 0.1521, 0.1899



77.3610, 0.4779, 0.2977

Complementary

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



77.3610, 0.3223, 0.5247



29.0353, 0.2804, 0.1650

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.



77.3610, 0.3796, 0.2380



77.3610, 0.3223, 0.5247



77.3610, 0.1944, 0.1787

Square

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



77.3610, 0.3223, 0.5247



77.3610, 0.1425, 0.2375



77.3610, 0.2727, 0.1960



77.3610, 0.5185, 0.3661

Rectangle

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



77.3610, 0.3223, 0.5247



77.3610, 0.1839, 0.3722



77.3610, 0.2727, 0.1960



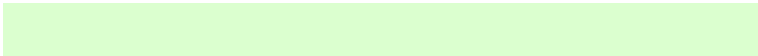
77.3610, 0.4495, 0.2765

Sweetspot

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



77.3583, 0.3223, 0.5247



91.0656, 0.3180, 0.3801



68.8909, 0.4286, 0.4433



19.2404, 0.3187, 0.3887



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.



77.3583, 0.3223, 0.5247



75.0942, 0.3192, 0.5592



75.4099, 0.2890, 0.4929



20.3940, 0.3155, 0.3533



38.0289, 0.3106, 0.5916



3.7524, 0.3183, 0.5855

Inverse Universe

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



29.0353, 0.2804, 0.1650



23.2172, 0.2712, 0.1411



33.9275, 0.3585, 0.2112



18.0514, 0.3096, 0.3053



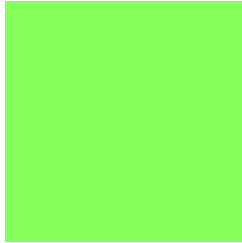
9.5270, 0.2564, 0.1186



0.9799, 0.2641, 0.1228

Previews

White Background



This preview shows how the Yxy color 77.3610, 0.3223, 0.5247 looks on a white background.

Color Contrast Check

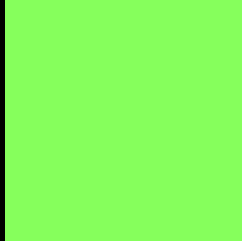
Large Text (above 18pt) WCAG AA × Fail

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 77.3610, 0.3223, 0.5247 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

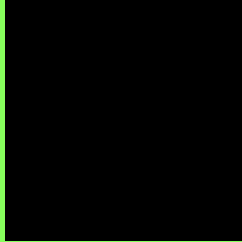
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

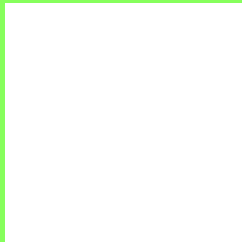
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 77.3610, 0.3223, 0.5247

Background



This preview shows how black text looks on a background with the Yxy color 77.3610, 0.3223, 0.5247.

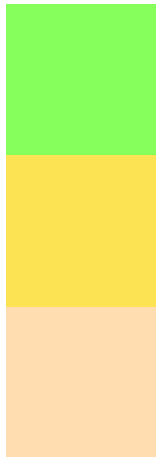


This preview shows how white text looks on a background with the Yxy color 77.3610, 0.3223, 0.5247.

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

77.3610, 0.3223, 0.5247

Protanopia

76.2737, 0.4196, 0.4624

Deuteranopia

76.1472, 0.3687, 0.3742



Tritanopia

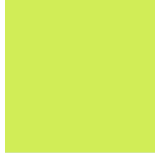
77.0270, 0.2633, 0.3100

Trichromacy



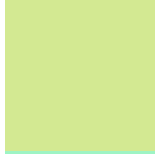
Original Color

77.3610, 0.3223, 0.5247



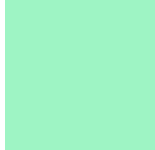
Protanomaly

74.8118, 0.3798, 0.4874



Deuteranomaly

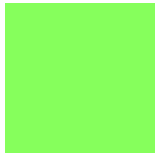
74.2020, 0.3523, 0.4272



Tritanomaly

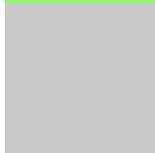
75.9560, 0.2874, 0.3870

Monochromacy



Original Color

77.3610, 0.3223, 0.5247



Achromatopsia

57.7580, 0.3127, 0.3290



Achromatomaly

62.9897, 0.3197, 0.4034

CSS Examples

Text

The CSS property to change the color of the text to Yxy 77.3610, 0.3223, 0.5247 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(134, 255, 92)` looks like.

```
.text, #text, p{  
    color:rgb(134, 255, 92)  
}
```

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(134, 255, 92) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(134, 255, 92) }
```

Border

The CSS property to change the border of an element to Yxy 77.3610, 0.3223, 0.5247 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(134, 255, 92) }
```

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

```
.border{ border-color:rgb(134, 255, 92) }
```

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

Here you see how a box with a 4 pixel `rgb(134, 255, 92)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(134, 255, 92); -webkit-box-  
shadow:4px 4px 4px 4px rgb(134, 255, 92);  
box-shadow:4px 4px 4px 4px rgb(134, 255,  
92) }
```


Background

The CSS property to change the background color of an element to Yxy 77.3610, 0.3223, 0.5247 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(134, 255, 92) }
```

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

```
.background{ background-color: rgb(134,  
255, 92) }
```

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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