

Converting Colors

$Y_{xy}(100.0000, 0.3137, 0.5251)$

Have a look what the booklet for
Yxy(100.0000, 0.3137, 0.5251)
contains.

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Color

Yxy(77.8584, 0.3172, 0.5073)

Conversions

Conversions Part 1

Format	Color
Hex	88FF6D
RGB	136, 255, 109
RGB Percent	53%, 100%, 43%
CMY	0.4664, 0.0000, 0.5725
CMYK	0.47, 0.00, 0.57, 0.00
HSL	109°, 100%, 71%
HSV	109°, 57%, 100%
XYZ	48.6826, 77.8584, 26.9350
YIQ	202.7750, -24.0580, -70.6340

Conversions

Conversions Part 2

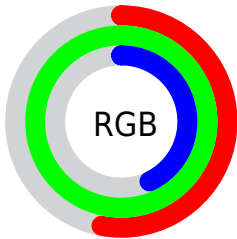
Format	Color
RYB	109, 255, 228
Decimal	8978285
CIELab	90.72, -59.93, 58.44
CIElCh	91, 83.707, 135.720
Yxy	77.8584, 0.3172, 0.5073
Android (android.graphics.Color)	4287168365 (0xFF88FF6D)
YUV	202.7750, -46.2311, -58.5617
Hunter-Lab	88.2374, -55.9329, 43.6675

Details

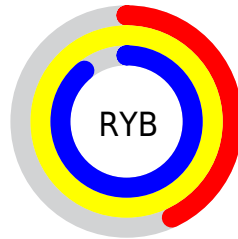
The Yxy color **77.8584, 0.3172, 0.5073** is a light color, and the websafe version is hex **99FF66**. A complement of this color would be **34.6469, 0.2944, 0.1838**, and the grayscale version is **59.8922, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.9361, 0.3271, 0.4309**, and **41.6547, 0.3111, 0.5524** is the 20% darker color. If you saturate the color by 10%, you get **75.8145, 0.3156, 0.5383**, and if you desaturate by 10%, it is **80.4053, 0.3179, 0.4735**.

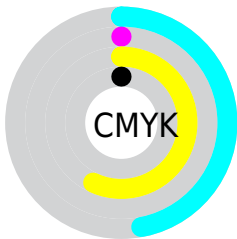
Distribution



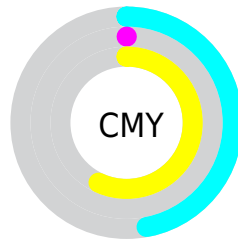
- Red (53%)
- Green (100%)
- Blue (43%)



- Red (43%)
- Yellow (100%)
- Blue (89%)



- Cyan (47%)
- Magenta (0%)
- Yellow (57%)
- Black (0%)





- Cyan (47%)
- Magenta (0%)
- Yellow (57%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 77.8584, 0.3172, 0.5073 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 77.8584, 0.3172, 0.5073 by changing the saturation by 10% instead.

 77.8584, 0.3172,
0.5073


 77.8584, 0.3172,
0.5073


487.6858, 0.3205,
0.4201


 57.9577, 0.3149,
0.5277


 130.3505, 0.3196,
0.4765


 41.7746, 0.3111,
0.5529


 163.7106, 0.3201,
0.4647

 28.9249, 0.3049,
0.5844


 202.3260, 0.3205,
0.4545

 19.0240, 0.2945,
0.6246

 246.5811, 0.3206,
0.4458

 11.6876, 0.2764,
0.6761

296.8602, 0.3207,
0.4381

 6.5313, 0.2478,
0.7522


353.5478, 0.3207,


 3.1708, 0.1844,


0.4314


0.8156


417.0282, 0.3206,
0.4254


 1.2215, 0.0000,
1.0000


 0.0792, 0.0000,
1.0000


 77.8584, 0.3172,
0.5073


 77.8584, 0.3172,
0.5073


 75.8145, 0.3156,
0.5383


 80.4053, 0.3179,
0.4735

 74.2301, 0.3130,
0.5641


 83.4758, 0.3177,
0.4392


 73.0700, 0.3097,
0.5829

 87.1011, 0.3169,
0.4061

 72.2886, 0.3061,
0.5938

 91.3073, 0.3156,
0.3753

 72.1274, 0.3052,
0.5959

 96.1186, 0.3140,
0.3473

99.9972, 0.3127,
0.3290

Harmonies

Analogous

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



77.8584, 0.4063, 0.4975



77.8584, 0.3172, 0.5073



77.8584, 0.2316, 0.4361

Triad

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



77.8584, 0.3172, 0.5073



77.8584, 0.1628, 0.1966



77.8584, 0.4708, 0.3052

Complementary

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



77.8584, 0.3172, 0.5073



34.6469, 0.2944, 0.1838

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.



77.8584, 0.3825, 0.2472



77.8584, 0.3172, 0.5073



77.8584, 0.2058, 0.1874

Square

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



77.8584, 0.3172, 0.5073



77.8584, 0.1517, 0.2399



77.8584, 0.2822, 0.2056



77.8584, 0.5050, 0.3711

Rectangle

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



77.8584, 0.3172, 0.5073



77.8584, 0.1887, 0.3616



77.8584, 0.2822, 0.2056



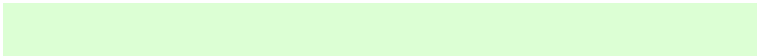
77.8584, 0.4457, 0.2846

Sweetspot

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



77.8617, 0.3172, 0.5073



91.4219, 0.3155, 0.3746



76.6481, 0.4105, 0.4423



19.3763, 0.3158, 0.3805



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.



77.8617, 0.3172, 0.5073



75.5072, 0.3152, 0.5433



77.0634, 0.2858, 0.4607



20.3300, 0.3144, 0.3534



37.7358, 0.3059, 0.5953



3.7155, 0.3126, 0.5900

Inverse Universe

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



34.6469, 0.2944, 0.1838



28.4118, 0.2888, 0.1606



36.9142, 0.3628, 0.2290



18.1202, 0.3108, 0.3054



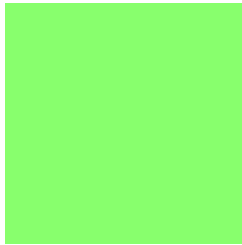
10.8219, 0.2743, 0.1285



1.0957, 0.2799, 0.1316

Previews

White Background



This preview shows how the Yxy color 77.8584, 0.3172, 0.5073 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 77.8584, 0.3172, 0.5073 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

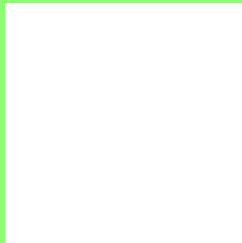
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 77.8584, 0.3172, 0.5073

Background



This preview shows how black text looks on a background with the Yxy color 77.8584, 0.3172, 0.5073.

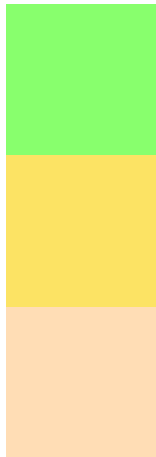


This preview shows how white text looks on a background with the Yxy color 77.8584, 0.3172, 0.5073.

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

77.8584, 0.3172, 0.5073

Protanopia

76.5537, 0.4122, 0.4513

Deuteranopia

76.3091, 0.3658, 0.3700



Tritanopia

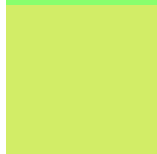
77.3677, 0.2648, 0.3101

Trichromacy



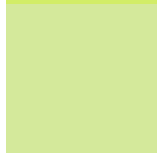
Original Color

77.8584, 0.3172, 0.5073



Protanomaly

75.2493, 0.3735, 0.4739



Deuteranomaly

74.6414, 0.3475, 0.4170



Tritanomaly

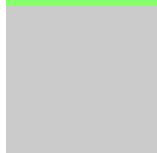
76.4392, 0.2853, 0.3793

Monochromacy



Original Color

77.8584, 0.3172, 0.5073



Achromatopsia

59.7202, 0.3127, 0.3290



Achromatomaly

64.6908, 0.3166, 0.3948

CSS Examples

Text

The CSS property to change the color of the text to Yxy 77.8584, 0.3172, 0.5073 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(136, 255, 109)` looks like.

```
.text, #text, p{  
    color:rgb(136, 255, 109)  
}
```

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(136, 255, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 255, 109) }
```

Border

The CSS property to change the border of an element to Yxy 77.8584, 0.3172, 0.5073 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(136, 255, 109) }
```

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

```
.border{ border-color:rgb(136, 255, 109) }
```

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

Here you see how a box with a 4 pixel `rgb(136, 255, 109)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(136, 255, 109); -webkit-box-  
shadow:4px 4px 4px 4px rgb(136, 255, 109);  
box-shadow:4px 4px 4px 4px rgb(136, 255,  
109) }
```


Background

The CSS property to change the background color of an element to Yxy 77.8584, 0.3172, 0.5073 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 255, 109) }
```

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

```
.background{ background-color: rgb(136,  
255, 109) }
```

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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