

Converting Colors

Yxy(77.9613, 0.3157, 0.5031)

Have a look what the booklet for
Yxy(77.9613, 0.3157, 0.5031)
contains.

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Color

Yxy(77.9465, 0.3156, 0.5031)

Conversions

Conversions Part 1

Format	Color
Hex	88FF71
RGB	136, 255, 113
RGB Percent	53%, 100%, 44%
CMY	0.4666, 0.0000, 0.5569
CMYK	0.47, 0.00, 0.56, 0.00
HSL	110°, 100%, 72%
HSV	110°, 56%, 100%
XYZ	48.8967, 77.9465, 28.0892
YIQ	203.2310, -25.3420, -69.3900

Conversions

Conversions Part 2

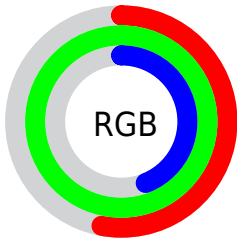
Format	Color
RYB	113, 255, 232
Decimal	8978289
CIELab	90.76, -59.52, 56.74
CIELCh	91, 82.231, 136.367
Yxy	77.9465, 0.3156, 0.5031
Android (android.graphics.Color)	4287168369 (0xFF88FF71)
YUV	203.2310, -44.4839, -58.9616
Hunter-Lab	88.2873, -55.6431, 42.9376

Details

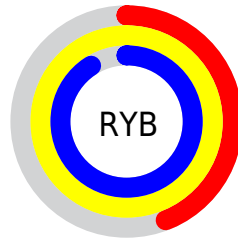
The Yxy color **77.9465, 0.3156, 0.5031** is a light color, and the websafe version is hex **99FF66**. A complement of this color would be **36.1814, 0.2981, 0.1885**, and the grayscale version is **60.1751, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.0829, 0.3249, 0.4264**, and **41.6938, 0.3097, 0.5482** is the 20% darker color. If you saturate the color by 10%, you get **75.8381, 0.3141, 0.5349**, and if you desaturate by 10%, it is **80.5768, 0.3163, 0.4688**.

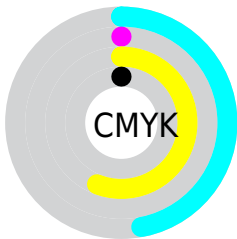
Distribution



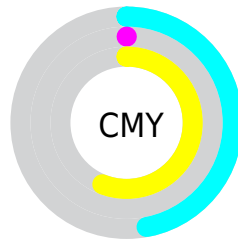
- Red (53%)
- Green (100%)
- Blue (44%)



- Red (44%)
- Yellow (100%)
- Blue (91%)



- Cyan (47%)
- Magenta (0%)
- Yellow (56%)
- Black (0%)





- Cyan (47%)
- Magenta (0%)
- Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 77.9465, 0.3156, 0.5031 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 77.9465, 0.3156, 0.5031 by changing the saturation by 10% instead.

 77.9465, 0.3156,
0.5031

 77.9465, 0.3156,
0.5031


487.9851, 0.3193,
0.4179

 58.0300, 0.3133,
0.5231


 130.4747, 0.3181,
0.4730

 41.8328, 0.3096,
0.5478


 163.8552, 0.3187,
0.4614

 28.9704, 0.3035,
0.5790

 202.4926, 0.3190,
0.4515

 19.0584, 0.2935,
0.6188

246.7711, 0.3193,
0.4429

 11.7125, 0.2759,
0.6700

297.0752, 0.3194,
0.4355

 6.5482, 0.2496,
0.7504


353.7893, 0.3194,


 3.1812, 0.1869,


0.4289


0.8131


417.2978, 0.3194,
0.4231


 1.2271, 0.0000,
1.0000


 0.0836, 0.0000,
1.0000


 77.9465, 0.3156,
0.5031


 77.9465, 0.3156,
0.5031


 75.8381, 0.3141,
0.5349


 80.5768, 0.3163,
0.4688


 74.2103, 0.3117,
0.5618


 83.7548, 0.3163,
0.4344

 73.0255, 0.3087,
0.5817

 87.5117, 0.3158,
0.4013

 72.2367, 0.3054,
0.5936

 91.8746, 0.3148,
0.3708

 71.9986, 0.3041,
0.5968

 96.8690, 0.3135,
0.3433

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.



77.9465, 0.4036, 0.4958



77.9465, 0.3156, 0.5031



77.9465, 0.2315, 0.4318

Triad

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



77.9465, 0.3156, 0.5031



77.9465, 0.1655, 0.1981



77.9465, 0.4694, 0.3072

Complementary

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



77.9465, 0.3156, 0.5031



36.1814, 0.2981, 0.1885

Split Complementary

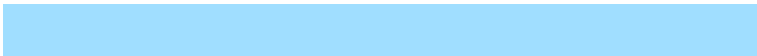
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



77.9465, 0.3835, 0.2496



77.9465, 0.3156, 0.5031



77.9465, 0.2087, 0.1895

Square

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



77.9465, 0.3156, 0.5031



77.9465, 0.1538, 0.2402



77.9465, 0.2848, 0.2080



77.9465, 0.5018, 0.3725

Rectangle

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



77.9465, 0.3156, 0.5031



77.9465, 0.1897, 0.3587



77.9465, 0.2848, 0.2080



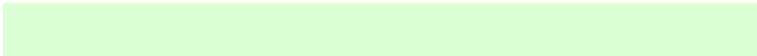
77.9465, 0.4451, 0.2868

Sweetspot

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



77.9485, 0.3156, 0.5031



91.2662, 0.3149, 0.3746



79.7907, 0.4053, 0.4436



19.3400, 0.3151, 0.3806



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.



77.9485, 0.3156, 0.5031



75.5976, 0.3138, 0.5388



77.5803, 0.2840, 0.4502



20.3096, 0.3140, 0.3534



37.6622, 0.3048, 0.5962



3.7054, 0.3110, 0.5913

Inverse Universe

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



36.1814, 0.2981, 0.1885



29.9630, 0.2935, 0.1659



37.6076, 0.3662, 0.2354



18.1425, 0.3112, 0.3054



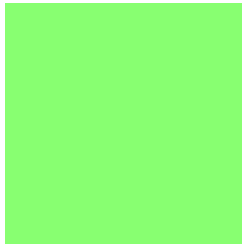
11.2707, 0.2801, 0.1317



1.1354, 0.2850, 0.1344

Previews

White Background



This preview shows how the Yxy color 77.9465, 0.3156, 0.5031 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 77.9465, 0.3156, 0.5031 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

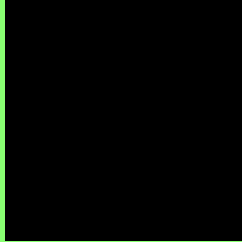
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

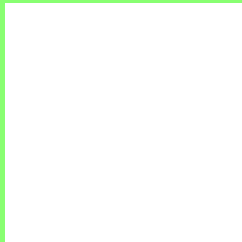
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 77.9465, 0.3156, 0.5031

Background



This preview shows how black text looks on a background with the Yxy color 77.9465, 0.3156, 0.5031.

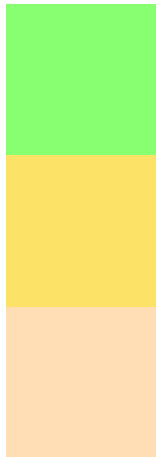


This preview shows how white text looks on a background with the Yxy color 77.9465, 0.3156, 0.5031.

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

77.9465, 0.3156, 0.5031

Protanopia

76.6331, 0.4102, 0.4483

Deuteranopia

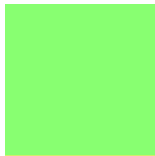
76.8800, 0.3648, 0.3700



Tritanopia

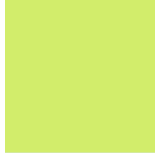
77.3677, 0.2648, 0.3101

Trichromacy



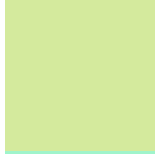
Original Color

77.9465, 0.3156, 0.5031



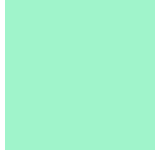
Protanomaly

75.3315, 0.3716, 0.4703



Deuteranomaly

75.2770, 0.3461, 0.4158



Tritanomaly

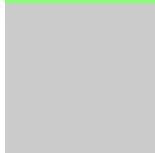
76.4867, 0.2848, 0.3780

Monochromacy



Original Color

77.9465, 0.3156, 0.5031



Achromatopsia

59.7202, 0.3127, 0.3290



Achromatomaly

64.7285, 0.3159, 0.3935

CSS Examples

Text

The CSS property to change the color of the text to Yxy 77.9465, 0.3156, 0.5031 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, 113)` looks like.

```
.text, #text, p{  
    color:rgb(136, 255, 113)  
}
```

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, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 255, 113) }
```

Border

The CSS property to change the border of an element to Yxy 77.9465, 0.3156, 0.5031 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, 113) }
```

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

```
.border{ border-color:rgb(136, 255, 113) }
```

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, 113) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(136, 255, 113); -webkit-box-  
shadow:4px 4px 4px 4px rgb(136, 255, 113);  
box-shadow:4px 4px 4px 4px rgb(136, 255,  
113) }
```


Background

The CSS property to change the background color of an element to Yxy 77.9465, 0.3156, 0.5031 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, 113) }
```

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

```
.background{ background-color: rgb(136,  
255, 113) }
```

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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