

Converting Colors

$Yxy(77.3223, 0.3049, 0.4928)$

Have a look what the booklet for
Yxy(77.3223, 0.3049, 0.4928)
contains.

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Color

Yxy(77.3606, 0.3050, 0.4925)

Conversions

Conversions Part 1

Format	Color
Hex	7DFF7D
RGB	125, 255, 125
RGB Percent	49%, 100%, 49%
CMY	0.5102, 0.0000, 0.5098
CMYK	0.51, 0.00, 0.51, 0.00
HSL	120°, 100%, 74%
HSV	120°, 51%, 100%
XYZ	47.9086, 77.3606, 31.8082
YIQ	201.3100, -35.7500, -67.9900

Conversions

Conversions Part 2

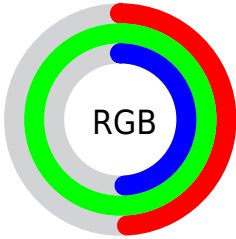
Format	Color
RYB	125, 255, 255
Decimal	8257405
CIELab	90.49, -61.08, 50.89
CIELCh	90, 79.502, 140.197
Yxy	77.3606, 0.3050, 0.4925
Android (android.graphics.Color)	4286447485 (0xFF7DFF7D)
YUV	201.3100, -37.6208, -66.9239
Hunter-Lab	87.9549, -56.6929, 40.1267

Details

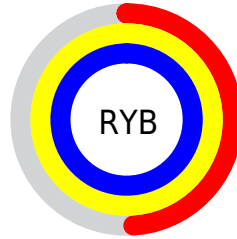
The Yxy color **77.3606, 0.3050, 0.4925** is a light color, and the websafe version is hex **66FF66**. A complement of this color would be **43.1171, 0.3186, 0.2062**, and the grayscale version is **58.8467, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.1296, 0.3117, 0.4145**, and **41.3610, 0.2977, 0.5353** is the 20% darker color. If you saturate the color by 10%, you get **75.1064, 0.3034, 0.5271**, and if you desaturate by 10%, it is **80.2601, 0.3067, 0.4562**.

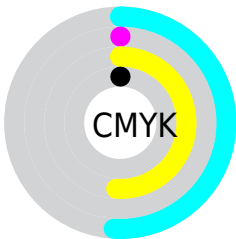
Distribution



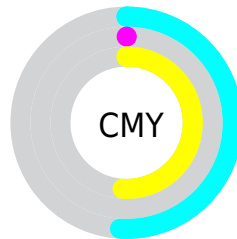
- Red (49%)
- Green (100%)
- Blue (49%)



- Red (49%)
- Yellow (100%)
- Blue (100%)



- Cyan (51%)
- Magenta (0%)
- Yellow (51%)
- Black (0%)




- Cyan (51%)
- Magenta (0%)
- Yellow (51%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 77.3606, 0.3050, 0.4925 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 77.3606, 0.3050, 0.4925 by changing the saturation by 10% instead.


 77.3606, 0.3050,
0.4925

 77.3606, 0.3050,
0.4925

485.9926, 0.3128,
0.4120


 57.5489, 0.3020,
0.5117


 129.6484, 0.3087,
0.4638

 41.4461, 0.2976,
0.5357


 162.8932, 0.3098,
0.4528

 28.6678, 0.2910,
0.5662


 201.3846, 0.3107,
0.4435

 18.8297, 0.2806,
0.6060

245.5068, 0.3113,
0.4354

 11.5473, 0.2632,
0.6587

295.6444, 0.3118,
0.4284

 6.4362, 0.2388,
0.7477


352.1816, 0.3122,


 3.1121, 0.1760,

0.4223

0.8240


415.5029, 0.3125,
0.4168


 1.1905, 0.0000,
1.0000


 0.0540, 0.0000,
1.0000

 77.3606, 0.3050,
0.4925


 77.3606, 0.3050,
0.4925


 75.1064, 0.3034,
0.5271


 80.2601, 0.3067,
0.4562

 73.4670, 0.3020,
0.5572


 83.8722, 0.3084,
0.4207

 72.3763, 0.3009,
0.5801

 88.2317, 0.3099,
0.3876

 71.7632, 0.3003,
0.5941

 93.3774, 0.3114,
0.3578

 71.5204, 0.3000,
0.6000

 99.3453, 0.3126,
0.3315

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.



77.3606, 0.3915, 0.4956



77.3606, 0.3050, 0.4925



77.3606, 0.2252, 0.4154

Triad

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



77.3606, 0.3050, 0.4925



77.3606, 0.1727, 0.1988



77.3606, 0.4721, 0.3161

Complementary

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



77.3606, 0.3050, 0.4925



43.1171, 0.3186, 0.2062

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.



77.3606, 0.3938, 0.2582



77.3606, 0.3050, 0.4925



77.3606, 0.2192, 0.1938

Square

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



77.3606, 0.3050, 0.4925



77.3606, 0.1574, 0.2356



77.3606, 0.2973, 0.2150



77.3606, 0.4961, 0.3807

Rectangle

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



77.3606, 0.3050, 0.4925



77.3606, 0.1870, 0.3447



77.3606, 0.2973, 0.2150



77.3606, 0.4508, 0.2957

Sweetspot

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



77.3535, 0.3050, 0.4925



91.2316, 0.3108, 0.3692



94.2582, 0.3875, 0.4526



19.2953, 0.3105, 0.3755



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

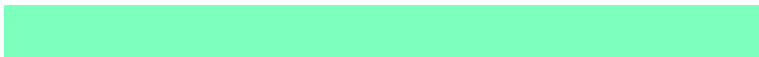
The Same Dimension uses a secret algorithm to generate beautiful new colors.



77.3535, 0.3050, 0.4925



75.1098, 0.3034, 0.5271



79.5885, 0.2753, 0.4096



20.1684, 0.3116, 0.3536



37.3710, 0.3000, 0.6000



3.6388, 0.3000, 0.5998

Inverse Universe

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



43.1171, 0.3186, 0.2062



37.4818, 0.3195, 0.1877



39.6189, 0.3837, 0.2628



18.3002, 0.3138, 0.3056



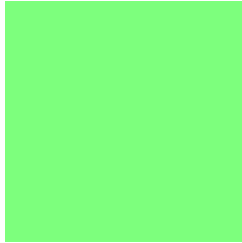
14.8752, 0.3211, 0.1543



1.4484, 0.3211, 0.1542

Previews

White Background



This preview shows how the Yxy color 77.3606, 0.3050, 0.4925 looks on a white background.

Color Contrast Check

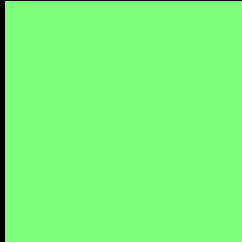
Large Text (above 18pt) WCAG AA × Fail

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 77.3606, 0.3050, 0.4925 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

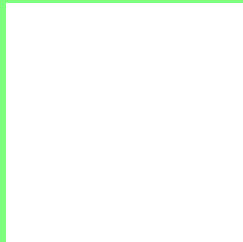
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 77.3606, 0.3050, 0.4925

Background



This preview shows how black text looks on a background with the Yxy color 77.3606, 0.3050, 0.4925.

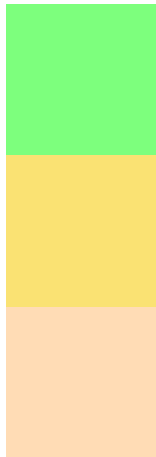


This preview shows how white text looks on a background with the Yxy color 77.3606, 0.3050, 0.4925.

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

77.3606, 0.3050, 0.4925

Protanopia

75.9545, 0.4033, 0.4394

Deuteranopia

75.7826, 0.3661, 0.3691



Tritanopia

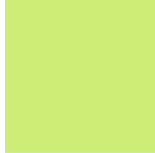
76.5846, 0.2612, 0.3099

Trichromacy



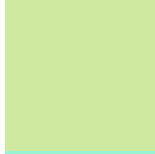
Original Color

77.3606, 0.3050, 0.4925



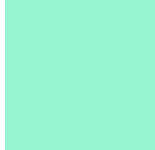
Protanomaly

74.8794, 0.3618, 0.4609



Deuteranomaly

74.2609, 0.3409, 0.4111



Tritanomaly

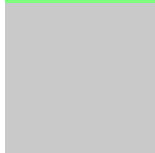
75.9308, 0.2779, 0.3723

Monochromacy



Original Color

77.3606, 0.3050, 0.4925



Achromatopsia

58.4078, 0.3127, 0.3290



Achromatomaly

63.6143, 0.3099, 0.3893

CSS Examples

Text

The CSS property to change the color of the text to Yxy 77.3606, 0.3050, 0.4925 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(125, 255, 125)` looks like.

```
.text, #text, p{  
    color:rgb(125, 255, 125)  
}
```

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(125, 255, 125) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(125, 255, 125) }
```

Border

The CSS property to change the border of an element to Yxy 77.3606, 0.3050, 0.4925 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(125, 255, 125) }
```

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

```
.border{ border-color:rgb(125, 255, 125) }
```

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

Here you see how a box with a 4 pixel `rgb(125, 255, 125)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(125, 255, 125); -webkit-box-  
shadow:4px 4px 4px 4px rgb(125, 255, 125);  
box-shadow:4px 4px 4px 4px rgb(125, 255,  
125) }
```


Background

The CSS property to change the background color of an element to Yxy 77.3606, 0.3050, 0.4925 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(125, 255, 125) }
```

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

```
.background{ background-color: rgb(125,  
255, 125) }
```

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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