

Converting Colors

$Yxy(74.9573, 0.3033, 0.5297)$

Have a look what the booklet for
Yxy(74.9573, 0.3033, 0.5297)
contains.

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Color

Yxy(74.9245, 0.3033, 0.5303)

Conversions

Conversions Part 1

Format	Color
Hex	61FF61
RGB	97, 255, 97
RGB Percent	38%, 100%, 38%
CMY	0.6193, 0.0000, 0.6196
CMYK	0.62, 0.00, 0.62, 0.00
HSL	120°, 100%, 69%
HSV	120°, 62%, 100%
XYZ	42.8523, 74.9245, 23.5102
YIQ	189.7460, -43.4500, -82.6340

Conversions

Conversions Part 2

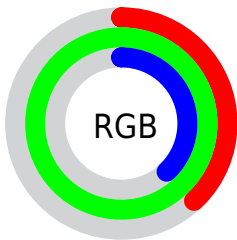
Format	Color
RYB	97, 255, 255
Decimal	6422369
CIELab	89.36, -70.73, 61.67
CIELCh	89, 93.837, 138.917
Yxy	74.9245, 0.3033, 0.5303
Android (android.graphics.Color)	4284612449 (0xFF61FF61)
YUV	189.7460, -45.7238, -81.3382
Hunter-Lab	86.5589, -63.1089, 44.4876

Details

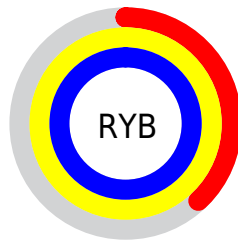
The Yxy color **74.9245, 0.3033, 0.5303** is a light color, and the websafe version is hex **66FF66**. A complement of this color would be **37.0146, 0.3194, 0.1860**, and the grayscale version is **51.6368, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.5013, 0.3120, 0.4508**, and **40.0724, 0.2949, 0.5817** is the 20% darker color. If you saturate the color by 10%, you get **73.3425, 0.3019, 0.5598**, and if you desaturate by 10%, it is **77.1153, 0.3049, 0.4960**.

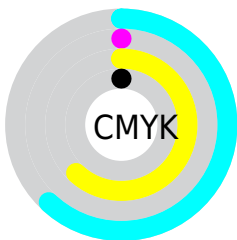
Distribution



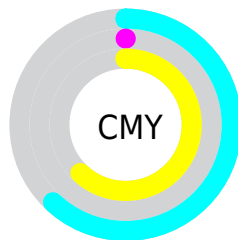
- Red (38%)
- Green (100%)
- Blue (38%)



- Red (38%)
- Yellow (100%)
- Blue (100%)



- Cyan (62%)
- Magenta (0%)
- Yellow (62%)
- Black (0%)




- Cyan (62%)
- Magenta (0%)
- Yellow (62%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 74.9245, 0.3033, 0.5303 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 74.9245, 0.3033, 0.5303 by changing the saturation by 10% instead.


 74.9245, 0.3033,
0.5303


 74.9245, 0.3033,
0.5303


477.6580, 0.3143,
0.4303

 55.5510, 0.2988,
0.5540


 126.2055, 0.3087,
0.4947


 39.8431, 0.2922,
0.5833


 158.8818, 0.3103,
0.4811

 27.4162, 0.2821,
0.6200


 196.7612, 0.3115,
0.4694

 17.8861, 0.2661,
0.6665

 240.2280, 0.3124,
0.4594

 10.8682, 0.2415,
0.7295

289.6668, 0.3131,
0.4507

 5.9783, 0.1981,
0.8019


345.4617, 0.3136,


 2.8319, 0.0987,

0.4431


0.9013

407.9974, 0.3140,
0.4363


 1.0446, 0.0000,
1.0000

 0.0000, 0.0000,
0.0000

 74.9245, 0.3033,
0.5303


 74.9245, 0.3033,
0.5303

 73.3425, 0.3019,
0.5598


 77.1153, 0.3049,
0.4960

 72.2997, 0.3009,
0.5819

 79.9575, 0.3066,
0.4597

 71.7270, 0.3002,
0.5950

 83.5009, 0.3083,
0.4241

 71.5203, 0.3000,
0.6000

 87.7877, 0.3098,
0.3907

 92.8569, 0.3112,
0.3605

 98.7448, 0.3125,
0.3338

99.9996, 0.3127,
0.3290

Harmonies

Analogous

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



74.9245, 0.4026, 0.5215



74.9245, 0.3033, 0.5303



74.9245, 0.2115, 0.4391

Triad

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



74.9245, 0.3033, 0.5303



74.9245, 0.1512, 0.1796



74.9245, 0.4993, 0.3075

Complementary

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



74.9245, 0.3033, 0.5303



37.0146, 0.3194, 0.1860

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.



74.9245, 0.4033, 0.2439



74.9245, 0.3033, 0.5303



74.9245, 0.2009, 0.1740

Square

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



74.9245, 0.3033, 0.5303



74.9245, 0.1353, 0.2206



74.9245, 0.2886, 0.1967



74.9245, 0.5274, 0.3787

Rectangle

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



74.9245, 0.3033, 0.5303



74.9245, 0.1681, 0.3508



74.9245, 0.2886, 0.1967



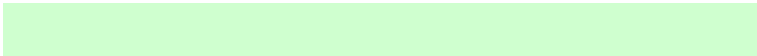
74.9245, 0.4732, 0.2851

Sweetspot

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



74.9276, 0.3033, 0.5303



89.2069, 0.3103, 0.3814



91.9737, 0.4012, 0.4711



18.8005, 0.3099, 0.3903



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.



74.9276, 0.3033, 0.5303



73.0886, 0.3017, 0.5650



77.0919, 0.2721, 0.4345



20.1686, 0.3116, 0.3536



37.3713, 0.3000, 0.6000



3.6388, 0.3000, 0.6000

Inverse Universe

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



37.0146, 0.3194, 0.1860



32.3952, 0.3201, 0.1694



33.0481, 0.4041, 0.2491



18.3000, 0.3138, 0.3056



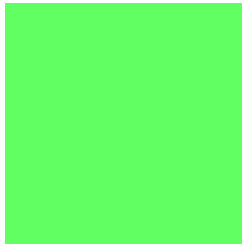
14.8700, 0.3208, 0.1541



1.4480, 0.3208, 0.1541

Previews

White Background



This preview shows how the Yxy color 74.9245, 0.3033, 0.5303 looks on a white background.

Color Contrast Check

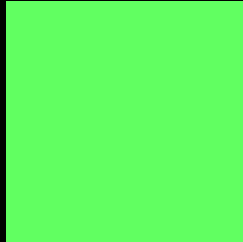
Large Text (above 18pt) WCAG AA × Fail

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 74.9245, 0.3033, 0.5303 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

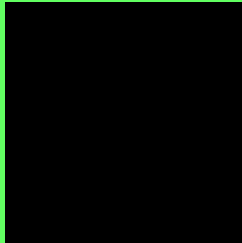
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 74.9245, 0.3033, 0.5303

Background



This preview shows how black text looks on a background with the Yxy color 74.9245, 0.3033, 0.5303.

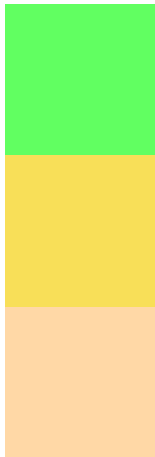


This preview shows how white text looks on a background with the Yxy color 74.9245, 0.3033, 0.5303.

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

74.9245, 0.3033, 0.5303

Protanopia

73.4364, 0.4174, 0.4585

Deuteranopia

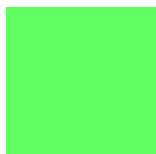
73.1249, 0.3782, 0.3805



Tritanopia

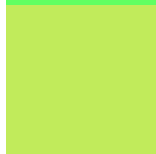
74.0843, 0.2519, 0.3082

Trichromacy



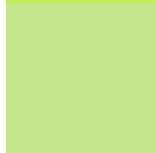
Original Color

74.9245, 0.3033, 0.5303



Protanomaly

71.5094, 0.3671, 0.4899



Deuteranomaly

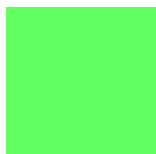
70.5225, 0.3465, 0.4333



Tritanomaly

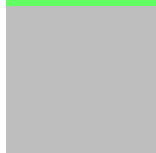
73.4457, 0.2717, 0.3867

Monochromacy



Original Color

74.9245, 0.3033, 0.5303



Achromatopsia

51.4918, 0.3127, 0.3290



Achromatomaly

57.5614, 0.3091, 0.4066

CSS Examples

Text

The CSS property to change the color of the text to Yxy 74.9245, 0.3033, 0.5303 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(97, 255, 97)` looks like.

```
.text, #text, p{  
    color:rgb(97, 255, 97)  
}
```

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(97, 255, 97) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(97, 255, 97) }
```

Border

The CSS property to change the border of an element to Yxy 74.9245, 0.3033, 0.5303 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(97, 255, 97) }
```

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

```
.border{ border-color:rgb(97, 255, 97) }
```

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

Here you see how a box with a 4 pixel `rgb(97, 255, 97)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(97, 255, 97); -webkit-box-  
shadow:4px 4px 4px 4px rgb(97, 255, 97);  
box-shadow:4px 4px 4px 4px rgb(97, 255,  
97) }
```


Background

The CSS property to change the background color of an element to Yxy 74.9245, 0.3033, 0.5303 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(97, 255, 97) }
```

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

```
.background{ background-color: rgb(97, 255,  
97) }
```

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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