

Converting Colors

Yxy(76.9533, 0.3087, 0.5058)

Have a look what the booklet for
Yxy(76.9533, 0.3087, 0.5058)
contains.

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Color

Yxy(76.9459, 0.3086, 0.5055)

Conversions

Conversions Part 1

Format	Color
Hex	7BFF72
RGB	123, 255, 114
RGB Percent	48%, 100%, 45%
CMY	0.5173, 0.0000, 0.5529
CMYK	0.52, 0.00, 0.55, 0.00
HSL	116°, 100%, 72%
HSV	116°, 55%, 100%
XYZ	46.9743, 76.9459, 28.2972
YIQ	199.4580, -33.4110, -71.8350

Conversions

Conversions Part 2

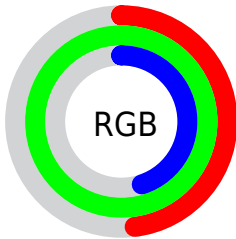
Format	Color
RYB	114, 255, 246
Decimal	8126322
CIELab	90.30, -62.86, 55.64
CIELCh	90, 83.947, 138.487
Yxy	76.9459, 0.3086, 0.5055
Android (android.graphics.Color)	4286316402 (0xFF7BFF72)
YUV	199.4580, -42.1308, -67.0537
Hunter-Lab	87.7188, -57.9194, 42.2768

Details

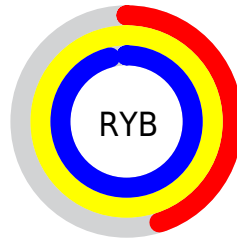
The Yxy color **76.9459, 0.3086, 0.5055** is a light color, and the websafe version is hex **66FF66**. A complement of this color would be **38.8354, 0.3107, 0.1945**, and the grayscale version is **57.7013, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.5749, 0.3169, 0.4275**, and **41.0995, 0.3007, 0.5514** is the 20% darker color. If you saturate the color by 10%, you get **74.8953, 0.3069, 0.5382**, and if you desaturate by 10%, it is **79.5935, 0.3100, 0.4702**.

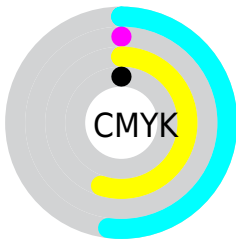
Distribution



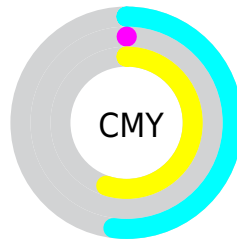
- Red (48%)
- Green (100%)
- Blue (45%)



- Red (45%)
- Yellow (100%)
- Blue (96%)



- Cyan (52%)
- Magenta (0%)
- Yellow (55%)
- Black (0%)




- Cyan (52%)
- Magenta (0%)
- Yellow (55%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 76.9459, 0.3086, 0.5055 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 76.9459, 0.3086, 0.5055 by changing the saturation by 10% instead.


 76.9459, 0.3086,
0.5055

 76.9459, 0.3086,
0.5055


484.5796, 0.3156,
0.4185

 57.2085, 0.3055,
0.5261


 129.0631, 0.3122,
0.4746

 41.1726, 0.3009,
0.5517


 162.2117, 0.3132,
0.4628

 28.4540, 0.2938,
0.5840


 200.5994, 0.3140,
0.4527

 18.6682, 0.2822,
0.6257

244.6107, 0.3145,
0.4439

 11.4308, 0.2628,
0.6797

294.6300, 0.3149,
0.4364

 6.3574, 0.2340,
0.7660


351.0416, 0.3152,


 3.0636, 0.1640,

0.4297


0.8360


414.2300, 0.3154,
0.4238


 1.1650, 0.0000,
1.0000

 0.0328, 0.0000,
1.0000


 76.9459, 0.3086,
0.5055


 76.9459, 0.3086,
0.5055


 74.8953, 0.3069,
0.5382

 79.5935, 0.3100,
0.4702

 73.3867, 0.3051,
0.5656


 82.8693, 0.3111,
0.4347


 72.3709, 0.3032,
0.5853

 86.8135, 0.3118,
0.4009

 71.7856, 0.3015,
0.5964

 91.4604, 0.3123,
0.3699

 71.6310, 0.3010,
0.5992

 96.8419, 0.3126,
0.3423

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.



76.9459, 0.3989, 0.5022



76.9459, 0.3086, 0.5055



76.9459, 0.2242, 0.4271

Triad

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



76.9459, 0.3086, 0.5055



76.9459, 0.1647, 0.1937



76.9459, 0.4778, 0.3108

Complementary

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



76.9459, 0.3086, 0.5055



38.8354, 0.3107, 0.1945

Split Complementary

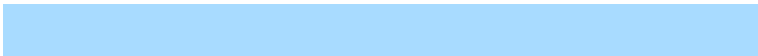
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



76.9459, 0.3924, 0.2515



76.9459, 0.3086, 0.5055



76.9459, 0.2109, 0.1873

Square

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



76.9459, 0.3086, 0.5055



76.9459, 0.1505, 0.2335



76.9459, 0.2906, 0.2079



76.9459, 0.5060, 0.3775

Rectangle

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



76.9459, 0.3086, 0.5055



76.9459, 0.1833, 0.3513



76.9459, 0.2906, 0.2079



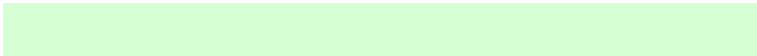
76.9459, 0.4542, 0.2899

Sweetspot

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



76.9491, 0.3086, 0.5055



90.6181, 0.3123, 0.3750



88.1406, 0.3972, 0.4541



19.1891, 0.3122, 0.3811



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

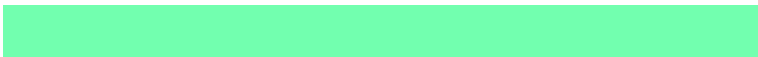
The Same Dimension uses a secret algorithm to generate beautiful new colors.



76.9491, 0.3086, 0.5055



74.7738, 0.3068, 0.5404



78.1944, 0.2777, 0.4304



20.2239, 0.3125, 0.3535



37.4511, 0.3013, 0.5989



3.6651, 0.3044, 0.5965

Inverse Universe

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



38.8354, 0.3107, 0.1945



33.2517, 0.3095, 0.1750



37.1863, 0.3816, 0.2490



18.2374, 0.3128, 0.3055



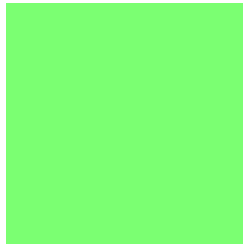
13.3497, 0.3048, 0.1453



1.3171, 0.3067, 0.1463

Previews

White Background



This preview shows how the Yxy color 76.9459, 0.3086, 0.5055 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 76.9459, 0.3086, 0.5055 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

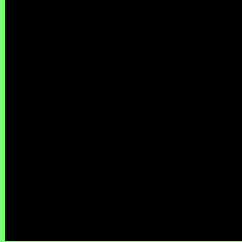
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

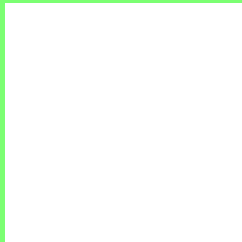
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 76.9459, 0.3086, 0.5055

Background



This preview shows how black text looks on a background with the Yxy color 76.9459, 0.3086, 0.5055.

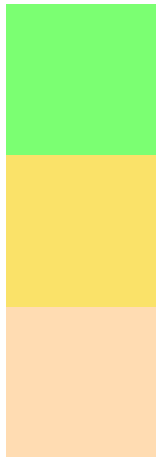


This preview shows how white text looks on a background with the Yxy color 76.9459, 0.3086, 0.5055.

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

76.9459, 0.3086, 0.5055

Protanopia

75.7366, 0.4087, 0.4475

Deuteranopia

75.6608, 0.3683, 0.3721



Tritanopia

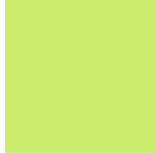
76.3684, 0.2602, 0.3098

Trichromacy



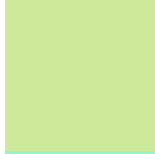
Original Color

76.9459, 0.3086, 0.5055



Protanomaly

74.4885, 0.3667, 0.4718



Deuteranomaly

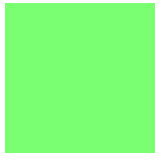
73.9098, 0.3439, 0.4181



Tritanomaly

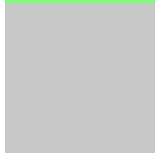
75.5450, 0.2789, 0.3775

Monochromacy



Original Color

76.9459, 0.3086, 0.5055



Achromatopsia

57.1125, 0.3127, 0.3290



Achromatomaly

62.1481, 0.3118, 0.3939

CSS Examples

Text

The CSS property to change the color of the text to Yxy 76.9459, 0.3086, 0.5055 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(123, 255, 114)` looks like.

```
.text, #text, p{  
    color:rgb(123, 255, 114)  
}
```

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(123, 255, 114) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 255, 114) }
```

Border

The CSS property to change the border of an element to Yxy 76.9459, 0.3086, 0.5055 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(123, 255, 114) }
```

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

```
.border{ border-color:rgb(123, 255, 114) }
```

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

Here you see how a box with a 4 pixel rgb(123, 255, 114) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 255, 114); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 255, 114);  
box-shadow:4px 4px 4px 4px rgb(123, 255,  
114) }
```


Background

The CSS property to change the background color of an element to Yxy 76.9459, 0.3086, 0.5055 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 255, 114) }
```

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

```
.background{ background-color: rgb(123,  
255, 114) }
```

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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