

Converting Colors

Yxy(76.3034, 0.2959, 0.4999)

Have a look what the booklet for
Yxy(76.3034, 0.2959, 0.4999)
contains.

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Color

Yxy(75.8336, 0.2960, 0.4997)

Conversions

Conversions Part 1

Format	Color
Hex	67FF7B
RGB	103, 255, 123
RGB Percent	40%, 100%, 48%
CMY	0.5964, 0.0000, 0.5177
CMYK	0.60, 0.00, 0.52, 0.00
HSL	128°, 100%, 70%
HSV	128°, 60%, 100%
XYZ	44.9204, 75.8336, 31.0042
YIQ	194.5040, -48.2200, -73.2760

Conversions

Conversions Part 2

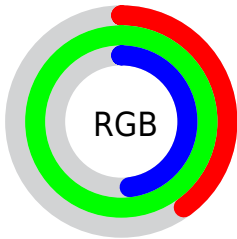
Format	Color
RYB	103, 237, 255
Decimal	6815611
CIELab	89.78, -66.49, 50.80
CIElCh	90, 83.677, 142.616
Yxy	75.8336, 0.2960, 0.4997
Android (android.graphics.Color)	4285005691 (0xFF67FF7B)
YUV	194.5040, -35.2515, -80.2490
Hunter-Lab	87.0825, -60.3173, 39.8486

Details

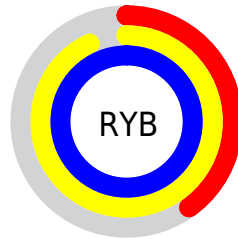
The Yxy color **75.8336, 0.2960, 0.4997** is a light color, and the websafe version is hex **66FF66**. A complement of this color would be **36.9368, 0.3384, 0.2047**, and the grayscale version is **54.4802, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.8413, 0.3016, 0.4198**, and **40.4529, 0.2862, 0.5455** is the 20% darker color. If you saturate the color by 10%, you get **74.0518, 0.2950, 0.5303**, and if you desaturate by 10%, it is **78.1894, 0.2979, 0.4673**.

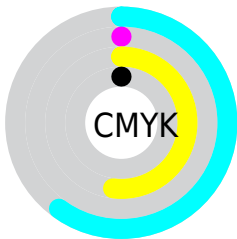
Distribution



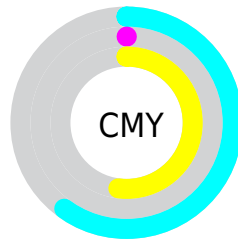
- Red (40%)
- Green (100%)
- Blue (48%)



- Red (40%)
- Yellow (93%)
- Blue (100%)



- Cyan (60%)
- Magenta (0%)
- Yellow (52%)
- Black (0%)




- Cyan (60%)
- Magenta (0%)
- Yellow (52%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 75.8336, 0.2960, 0.4997 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 75.8336, 0.2960, 0.4997 by changing the saturation by 10% instead.

 75.8336, 0.2960,
0.4997


 75.8336, 0.2960,
0.4997


480.7779, 0.3083,
0.4148


 56.2961, 0.2919,
0.5201


 127.4917, 0.3013,
0.4693

 40.4404, 0.2862,
0.5457


 160.3810, 0.3030,
0.4577

 27.8820, 0.2778,
0.5785


 198.4897, 0.3044,
0.4479

 18.2368, 0.2649,
0.6213

242.2022, 0.3055,
0.4394

 11.1201, 0.2441,
0.6783

291.9029, 0.3064,
0.4321

 6.1477, 0.2159,
0.7793

347.9761, 0.3071,

 2.9351, 0.1351,

0.4256

0.8649

410.8063, 0.3077,
0.4199

■ 1.0979, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 75.8336, 0.2960,
0.4997

■ 75.8336, 0.2960,
0.4997

■ 74.0518, 0.2950,
0.5303

■ 78.1894, 0.2979,
0.4673

■ 72.8082, 0.2950,
0.5569

■ 81.1810, 0.3004,
0.4349


■ 72.0364, 0.2960,
0.5775

■ 84.8441, 0.3033,
0.4042

■ 71.6440, 0.2976,
0.5912

■ 89.2163, 0.3065,
0.3759

 71.6336, 0.2977,
0.5916

 94.3323, 0.3097,
0.3506

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.



75.8336, 0.3870, 0.5072



75.8336, 0.2960, 0.4997



75.8336, 0.2143, 0.4119

Triad

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



75.8336, 0.2960, 0.4997



75.8336, 0.1689, 0.1909



75.8336, 0.4859, 0.3197

Complementary

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



75.8336, 0.2960, 0.4997



36.9368, 0.3384, 0.2047

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.



75.8336, 0.4064, 0.2589



75.8336, 0.2960, 0.4997



75.8336, 0.2198, 0.1884

Square

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



75.8336, 0.2960, 0.4997



75.8336, 0.1504, 0.2256



75.8336, 0.3039, 0.2125



75.8336, 0.5049, 0.3870

Rectangle

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



75.8336, 0.2960, 0.4997



75.8336, 0.1767, 0.3360



75.8336, 0.3039, 0.2125



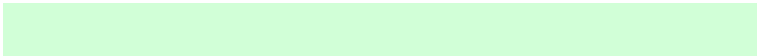
75.8336, 0.4649, 0.2984

Sweetspot

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



75.8282, 0.2960, 0.4997



90.0044, 0.3070, 0.3716



90.5462, 0.3850, 0.4761



18.9686, 0.3061, 0.3794



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.



75.8282, 0.2960, 0.4997



73.7126, 0.2949, 0.5370



78.4159, 0.2637, 0.4024



20.2072, 0.3097, 0.3503



37.4420, 0.2972, 0.5899



3.6571, 0.2928, 0.5740

Inverse Universe

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



36.9368, 0.3384, 0.2047



31.5736, 0.3448, 0.1880



33.5239, 0.4251, 0.2713



18.2567, 0.3158, 0.3086



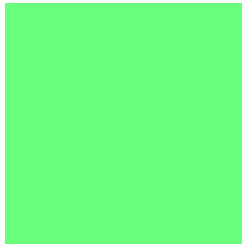
13.8621, 0.3574, 0.1743



1.3607, 0.3526, 0.1716

Previews

White Background



This preview shows how the Yxy color 75.8336, 0.2960, 0.4997 looks on a white background.

Color Contrast Check

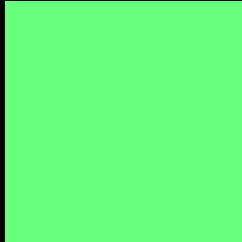
Large Text (above 18pt) WCAG AA × Fail

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 75.8336, 0.2960, 0.4997 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 75.8336, 0.2960, 0.4997

Background



This preview shows how black text looks on a background with the Yxy color 75.8336, 0.2960, 0.4997.

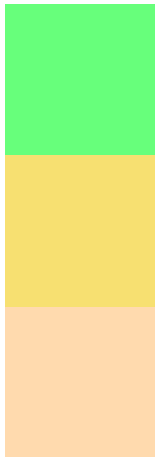


This preview shows how white text looks on a background with the Yxy color 75.8336, 0.2960, 0.4997.

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

75.8336, 0.2960, 0.4997

Protanopia

74.2777, 0.4032, 0.4404

Deuteranopia

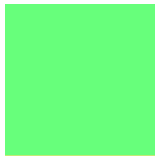
74.4588, 0.3717, 0.3743



Tritanopia

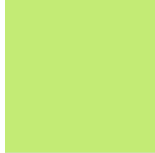
75.1414, 0.2544, 0.3095

Trichromacy



Original Color

75.8336, 0.2960, 0.4997



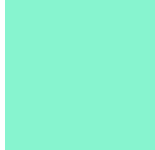
Protanomaly

72.3031, 0.3562, 0.4647



Deuteranomaly

71.7977, 0.3392, 0.4177



Tritanomaly

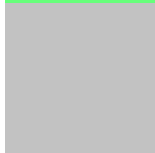
74.3573, 0.2700, 0.3746

Monochromacy



Original Color

75.8336, 0.2960, 0.4997



Achromatopsia

53.9479, 0.3127, 0.3290



Achromatomaly

59.5160, 0.3049, 0.3917

CSS Examples

Text

The CSS property to change the color of the text to Yxy 75.8336, 0.2960, 0.4997 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(103, 255, 123)` looks like.

```
.text, #text, p{  
    color:rgb(103, 255, 123)  
}
```

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(103, 255, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 255, 123) }
```

Border

The CSS property to change the border of an element to Yxy 75.8336, 0.2960, 0.4997 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(103, 255, 123) }
```

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

```
.border{ border-color:rgb(103, 255, 123) }
```

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

Here you see how a box with a 4 pixel `rgb(103, 255, 123)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 255, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 255, 123);  
box-shadow:4px 4px 4px 4px rgb(103, 255,  
123) }
```


Background

The CSS property to change the background color of an element to Yxy 75.8336, 0.2960, 0.4997 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 255, 123) }
```

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

```
.background{ background-color: rgb(103,  
255, 123) }
```

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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